

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102121\
 Data File : VY006426.D
 Acq On : 21 Oct 2021 15:36
 Operator : SY/MD
 Sample : VY1021SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2021 7:08:32 PM

Quant Time: Oct 22 03:37:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	121791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	183199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	171356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	65506	50.253	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.500%
35) Dibromofluoromethane	7.722	113	48600	49.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.300%
50) Toluene-d8	10.185	98	192808	47.069	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.140%
62) 4-Bromofluorobenzene	12.483	95	68078	48.922	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.840%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	29350	23.758	ug/l	98
3) Chloromethane	2.119	50	37398	25.991	ug/l	95
4) Vinyl Chloride	2.259	62	41770	26.193	ug/l	98
5) Bromomethane	2.650	94	27025	26.076	ug/l	95
6) Chloroethane	2.796	64	23362	24.898	ug/l	99
7) Trichlorofluoromethane	3.131	101	51667	24.597	ug/l	96
8) Diethyl Ether	3.540	74	16464	23.730	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.912	101	26014	23.199	ug/l	97
10) Methyl Iodide	4.101	142	22631	18.519	ug/l	96
11) Tert butyl alcohol	4.966	59	15828	138.811	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	25809	22.626	ug/l	99
13) Acrolein	3.735	56	3597	59.699	ug/l	98
14) Allyl chloride	4.485	41	52482	23.925	ug/l	98
15) Acrylonitrile	5.173	53	45300	124.140	ug/l	99
16) Acetone	3.954	43	48089	132.086	ug/l	98
17) Carbon Disulfide	4.204	76	80763	21.170	ug/l	100
18) Methyl Acetate	4.491	43	31223	25.433	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	81439	24.448	ug/l	96
20) Methylene Chloride	4.728	84	37829	28.535	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	29035	22.959	ug/l	90
22) Diisopropyl ether	6.131	45	104840	24.158	ug/l	94
23) Vinyl Acetate	6.070	43	312325	120.067	ug/l	98
24) 1,1-Dichloroethane	6.027	63	55442	23.797	ug/l	100
25) 2-Butanone	6.990	43	63399	125.011	ug/l	93
26) 2,2-Dichloropropane	6.990	77	53949	25.322	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	32829	23.179	ug/l	99
28) Bromochloromethane	7.338	49	23481	24.205	ug/l	100
29) Tetrahydrofuran	7.350	42	38938	121.552	ug/l	96
30) Chloroform	7.515	83	56049	24.117	ug/l	100
31) Cyclohexane	7.789	56	54338	22.003	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	53312	24.843	ug/l	99
36) 1,1-Dichloropropene	7.923	75	42620	23.383	ug/l	99
37) Ethyl Acetate	7.082	43	26561	25.014	ug/l	98
38) Carbon Tetrachloride	7.905	117	48084	24.983	ug/l	99
39) Methylcyclohexane	9.185	83	52710	23.022	ug/l	95
40) Benzene	8.167	78	122576	23.703	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	14497m	21.047	ug/l	
42) 1,2-Dichloroethane	8.240	62	43028	25.824	ug/l	99
43) Isopropyl Acetate	8.277	43	51216	25.148	ug/l	98
44) Trichloroethene	8.941	130	32568	24.385	ug/l	91
45) 1,2-Dichloropropane	9.222	63	29896	23.483	ug/l	99
46) Dibromomethane	9.307	93	15989	23.587	ug/l	94
47) Bromodichloromethane	9.502	83	42923	24.592	ug/l	97
48) Methyl methacrylate	9.295	41	23742	24.300	ug/l	96
49) 1,4-Dioxane	9.301	88	4600	520.106	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	135101	127.759	ug/l	99
52) Toluene	10.246	92	77295	24.098	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	46454	24.410	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	50643	24.206	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	23045	24.160	ug/l	98
56) Ethyl methacrylate	10.514	69	35170	24.258	ug/l	97
57) 1,3-Dichloropropane	10.794	76	41616	24.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	85345	120.142	ug/l	99
59) 2-Hexanone	10.837	43	98632	130.958	ug/l	99
60) Dibromochloromethane	10.983	129	29305	25.288	ug/l	99
61) 1,2-Dibromoethane	11.093	107	21678	24.003	ug/l	99
64) Tetrachloroethene	10.721	164	37503	27.176	ug/l	92
65) Chlorobenzene	11.520	112	80353	23.667	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	29977	23.959	ug/l	98
67) Ethyl Benzene	11.593	91	150855	23.572	ug/l	99
68) m/p-Xylenes	11.703	106	114838	47.286	ug/l	99
69) o-Xylene	12.032	106	55672	24.272	ug/l	95
70) Styrene	12.044	104	92950	23.863	ug/l	100
71) Bromoform	12.209	173	19124	24.578	ug/l #	99
73) Isopropylbenzene	12.331	105	148802	23.525	ug/l	98
74) N-amyl acetate	12.142	43	46540	23.705	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	24688	21.611	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	19120m	22.277	ug/l	
77) Bromobenzene	12.611	156	35365	23.846	ug/l	94
78) n-propylbenzene	12.672	91	179654	23.074	ug/l	100
79) 2-Chlorotoluene	12.757	91	100624	23.355	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	123423	23.335	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10098	23.121	ug/l	96
82) 4-Chlorotoluene	12.855	91	105420	23.657	ug/l	100
83) tert-Butylbenzene	13.075	119	109251	24.161	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	122163	23.391	ug/l	98
85) sec-Butylbenzene	13.251	105	160881	23.543	ug/l	99
86) p-Isopropyltoluene	13.367	119	136731	23.711	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	70075	23.849	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	68663	23.700	ug/l	99
89) n-Butylbenzene	13.696	91	129275	23.593	ug/l	99
90) Hexachloroethane	13.958	117	24449	23.347	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	62413	24.291	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5382	24.729	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	41722	24.573	ug/l	99
94) Hexachlorobutadiene	15.111	225	26457	23.886	ug/l	97
95) Naphthalene	15.239	128	78851	23.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	35948	23.889	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
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Abundance

TIC: VY006426.D\data.ms

Time-->

Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Methyl iodide, T
Carbon Disulfide, T
Methyl acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acetonitrile, T
Methyl 1,2-Dibutylacetate, T
1,1-Dichloroethane, P
Isopropyl ether, T
Vinyl Acetate, T
cis-2,3-Dibromobutane, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
1,1,1-Trichloroethane, S
1,1,1-Trichloroethane, T
Cyclohexanone, T
1,2-Dichloroethane, TM
1,4-Difluorobenzene, I
Trichloroethene, TM
Methoxybenzene, T
Methylcyclohexane, T
Bromochloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
4-Methyl-2-Pentanone, T
Toluene, CM
2-Hexanone, I
Tetrachloroethene, T
2-Hexanone, I
1,2-Dibromoethane, T
1,2-Dibromopropane, T
Chlorobenzene, PM
N-amyl acetate, T
Bromoform, P
trans-1,4-Dichloro-2-butene, T
1,1,2,2-Tetrachloroethane, T
1,1,2,2-Tetrachloropropane, T
1,2-Dichloroethane, T
Dibromochloromethane, T
1,2-Dibromopropane, T
Styrene, Xylene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
n-propylbenzene, T
1,3,5-Trimethylbenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
n-Butylbenzene, T
Hexachloroethane, T
1,2-Dichlorobenzene, T
1,2-Dibromo-3-Chloropropane, T
Naphthalene, T
1,2,3-Trichlorobenzene, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T