

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042721\
 Data File : VY004644.D
 Acq On : 27 Apr 2021 10:29
 Operator : SY/MD
 Sample : VY0427SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0427SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/28/2021 2:38:09 PM

Quant Time: Apr 28 10:00:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	129173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	209930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	193714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92488	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	87251	60.79	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.58%			
35) Dibromofluoromethane	7.728	113	65241	56.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.00%			
50) Toluene-d8	10.185	98	274876	55.47	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.94%			
62) 4-Bromofluorobenzene	12.483	95	92757	55.16	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.32%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	21711	18.14	ug/l	97
3) Chloromethane	2.119	50	33696	19.47	ug/l	99
4) Vinyl Chloride	2.259	62	34868	19.08	ug/l	100
5) Bromomethane	2.643	94	19650	22.04	ug/l	95
6) Chloroethane	2.796	64	22954	20.95	ug/l	95
7) Trichlorofluoromethane	3.137	101	46563	20.37	ug/l	99
8) Diethyl Ether	3.546	74	16784	21.73	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.911	101	25044	19.75	ug/l	99
10) Methyl Iodide	4.107	142	27233	17.95	ug/l	98
11) Tert butyl alcohol	4.991	59	19803	140.01	ug/l	99
12) 1,1-Dichloroethene	3.887	96	24896	19.86	ug/l	97
13) Acrolein	3.741	56	15720	99.98	ug/l	94
14) Allyl chloride	4.497	41	49117	20.48	ug/l	99
15) Acrylonitrile	5.186	53	55141	133.03	ug/l	98
16) Acetone	3.960	43	42977	132.01	ug/l	95
17) Carbon Disulfide	4.204	76	73864	19.13	ug/l	100
18) Methyl Acetate	4.491	43	27257	27.27	ug/l	98
19) Methyl tert-butyl Ether	5.241	73	83105	22.06	ug/l	96
20) Methylene Chloride	4.735	84	31372	22.63	ug/l	97
21) trans-1,2-Dichloroethene	5.234	96	28700	20.23	ug/l	96
22) Diisopropyl ether	6.131	45	108030	21.31	ug/l	95
23) Vinyl Acetate	6.076	43	402212	116.56	ug/l	99
24) 1,1-Dichloroethane	6.033	63	54700	21.12	ug/l	98
25) 2-Butanone	7.002	43	73336	134.14	ug/l	98
26) 2,2-Dichloropropane	6.996	77	48481	20.86	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	32746	20.63	ug/l	98
28) Bromochloromethane	7.350	49	25133	21.35	ug/l	98
29) Tetrahydrofuran	7.362	42	51920	132.92	ug/l	99
30) Chloroform	7.521	83	54349	21.36	ug/l	100
31) Cyclohexane	7.795	56	51075	19.41	ug/l	97
32) 1,1,1-Trichloroethane	7.716	97	48233	20.89	ug/l	99
36) 1,1-Dichloropropene	7.923	75	42351	20.30	ug/l	99
37) Ethyl Acetate	7.094	43	35369	26.33	ug/l	99
38) Carbon Tetrachloride	7.911	117	37176	20.62	ug/l	96
39) Methylcyclohexane	9.191	83	47761	18.60	ug/l	98
40) Benzene	8.173	78	121450	20.72	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	15929m	19.57	ug/l	
42) 1,2-Dichloroethane	8.246	62	42028	22.85	ug/l	99
43) Isopropyl Acetate	8.283	43	63059	24.76	ug/l	97
44) Trichloroethene	8.947	130	32940	20.61	ug/l	90
45) 1,2-Dichloropropane	9.228	63	32630	21.57	ug/l	99
46) Dibromomethane	9.313	93	18779	22.80	ug/l	98
47) Bromodichloromethane	9.502	83	43536	21.83	ug/l	98
48) Methyl methacrylate	9.301	41	28231	24.07	ug/l	98
49) 1,4-Dioxane	9.307	88	6110	567.95	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	174855	133.67	ug/l	98
52) Toluene	10.252	92	76132	20.07	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	48895	22.23	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	52537	21.03	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	25788	22.72	ug/l	97
56) Ethyl methacrylate	10.514	69	37760	22.94	ug/l	98
57) 1,3-Dichloropropane	10.794	76	45788	22.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	100270	119.06	ug/l	99
59) 2-Hexanone	10.837	43	118182	134.77	ug/l	99
60) Dibromochloromethane	10.989	129	30927	22.93	ug/l	99
61) 1,2-Dibromoethane	11.093	107	25715	23.50	ug/l	100
64) Tetrachloroethene	10.727	164	34842	20.66	ug/l	93
65) Chlorobenzene	11.520	112	80062	20.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	29994	21.26	ug/l	99
67) Ethyl Benzene	11.599	91	146982	19.87	ug/l	99
68) m/p-Xylenes	11.709	106	106051	38.59	ug/l	98
69) o-Xylene	12.032	106	51037	19.82	ug/l	100
70) Styrene	12.050	104	84004	19.69	ug/l	99
71) Bromoform	12.215	173	19056	22.77	ug/l #	98
73) Isopropylbenzene	12.337	105	136574	19.11	ug/l	100
74) N-amyl acetate	12.148	43	53439	22.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	31472	23.28	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	25499m	25.69	ug/l	
77) Bromobenzene	12.611	156	32274	20.15	ug/l	98
78) n-propylbenzene	12.672	91	162628	19.26	ug/l	99
79) 2-Chlorotoluene	12.764	91	90058	19.50	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	115446	19.87	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	12489	22.51	ug/l	95
82) 4-Chlorotoluene	12.861	91	96286	19.75	ug/l	100
83) tert-Butylbenzene	13.081	119	94498	19.01	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	114584	19.55	ug/l	100
85) sec-Butylbenzene	13.257	105	133348	19.23	ug/l	99
86) p-Isopropyltoluene	13.373	119	120815	19.15	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	59924	20.03	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	59852	19.87	ug/l	98
89) n-Butylbenzene	13.702	91	115684	19.21	ug/l	99
90) Hexachloroethane	13.965	117	18338	21.67	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	53555	20.16	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5989	24.68	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	34350	19.56	ug/l	100
94) Hexachlorobutadiene	15.117	225	17752	19.36	ug/l	97
95) Naphthalene	15.239	128	82810	21.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	31671	20.44	ug/l	99

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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

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Abundance

TIC: VY004644.D\data.ms

Time-->

Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methylene Disulfide, T
Methyl Acrylate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acetonitrile, T
Methyl tert-butyl ether, T
1,1-Dichloroethane, S
Vinyl acetate, T
Isopropyl ether, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
Carbon tetrachloride, T
Benzene, TM
1,2-Dibromoethane, T
1,2-Dichloroethane, T
1,4-Difluorobenzene, I
Benzene, TM
1,4-Difluorobenzene, I
2-Chloroethyl Vinyl ether, T
4-Methyl-2-Pentanone, T
Toluene, CM
cis-1,3-Dichloropropene, T
Ethyl nitrate, T
1,1,2-Trichloroethane, T
1,2-Dichloropropane, T
Dibromocyclopentane, T
1,2-Dibromobutane, T
Chlorobenzene, PM
1,1,2-Trichloroethane, T
N-amyl acetate, T
trans-1,4-Dichloro-2-butene, T
Isopropylbenzene, T
Bromobenzene, T
1,3,5-Trimethylbenzene, T
2-Chlorotoluene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
n-Butylbenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorocyclopentadiene, T
1,2,3-Trichlorobenzene, T