

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100121\
 Data File : VY006254.D
 Acq On : 01 Oct 2021 11:09
 Operator : SY/MD
 Sample : VY1001SBS02
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1001SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 5:49:16 PM

Quant Time: Oct 02 02:10:14 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	7.838	168	126443	50.000	ug/l	0.04
34) 1,4-Difluorobenzene	8.722	114	191317	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.502	117	179830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.179	65	65192	48.172	ug/l	0.03
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.340%
35) Dibromofluoromethane	7.765	113	49461	48.390	ug/l	0.04
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.780%
50) Toluene-d8	10.197	98	201381	47.076	ug/l	0.01
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.160%
62) 4-Bromofluorobenzene	12.483	95	69841	48.059	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.003	85	16722	13.038	ug/l	99
3) Chloromethane	2.290	50	32699m	21.889	ug/l	
4) Vinyl Chloride	2.363	62	24759	14.954	ug/l	99
5) Bromomethane	2.759	94	25150	23.374	ug/l	94
6) Chloroethane	2.906	64	13056	13.402	ug/l	93
7) Trichlorofluoromethane	3.241	101	45110	20.685	ug/l	96
8) Diethyl Ether	3.631	74	15336	21.291	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.009	101	23170	19.903	ug/l	95
10) Methyl Iodide	4.204	142	13294	10.478	ug/l #	84
11) Tert butyl alcohol	5.064	59	11739	99.163	ug/l	97
12) 1,1-Dichloroethene	3.991	96	22857	19.301	ug/l	90
13) Acrolein	3.826	56	4537	68.558	ug/l	99
14) Allyl chloride	4.594	41	42866	18.822	ug/l	97
15) Acrylonitrile	5.265	53	35246	93.035	ug/l	98
16) Acetone	4.058	43	29024	76.787	ug/l	90
17) Carbon Disulfide	4.308	76	75387	19.034	ug/l	99
18) Methyl Acetate	4.582	43	24700	19.379	ug/l	97
19) Methyl tert-butyl Ether	5.314	73	68285	19.745	ug/l	95
20) Methylene Chloride	4.844	84	24850	16.569	ug/l	86
21) trans-1,2-Dichloroethene	5.326	96	26197	19.953	ug/l	86
22) Diisopropyl ether	6.198	45	85574	18.993	ug/l	97
23) Vinyl Acetate	6.137	43	254113	94.095	ug/l	98
24) 1,1-Dichloroethane	6.106	63	45399	18.769	ug/l	99
25) 2-Butanone	7.051	43	46040	87.442	ug/l	92
26) 2,2-Dichloropropane	7.051	77	44820	20.263	ug/l	100
27) cis-1,2-Dichloroethene	7.051	96	28417	19.325	ug/l	94
28) Bromochloromethane	7.393	49	19114	18.979	ug/l	91
29) Tetrahydrofuran	7.399	42	30441	91.531	ug/l	95
30) Chloroform	7.557	83	48136	19.950	ug/l	96
31) Cyclohexane	7.832	56	47590	18.562	ug/l	95
32) 1,1,1-Trichloroethane	7.752	97	45531	20.437	ug/l	98
36) 1,1-Dichloropropene	7.960	75	37119	19.500	ug/l	98
37) Ethyl Acetate	7.131	43	20151	18.172	ug/l	96
38) Carbon Tetrachloride	7.941	117	41614	20.704	ug/l	97
39) Methylcyclohexane	9.209	83	44996	18.819	ug/l	99
40) Benzene	8.204	78	106678	19.754	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.380	41	13338m	18.543	ug/l	
42) 1,2-Dichloroethane	8.271	62	35759	20.551	ug/l	96
43) Isopropyl Acetate	8.301	43	40327	18.961	ug/l	95
44) Trichloroethene	8.966	130	28370	20.340	ug/l	98
45) 1,2-Dichloropropane	9.240	63	25273	19.009	ug/l	97
46) Dibromomethane	9.331	93	13953	19.710	ug/l	96
47) Bromodichloromethane	9.520	83	37426	20.532	ug/l	94
48) Methyl methacrylate	9.313	41	18908	18.531	ug/l	96
49) 1,4-Dioxane	9.325	88	3679	398.321	ug/l	97
51) 4-Methyl-2-Pentanone	10.087	43	103529	93.749	ug/l	96
52) Toluene	10.258	92	66359	19.810	ug/l	98
53) t-1,3-Dichloropropene	10.477	75	39582	19.916	ug/l	96
54) cis-1,3-Dichloropropene	9.947	75	43387	19.858	ug/l	94
55) 1,1,2-Trichloroethane	10.654	97	20464	20.544	ug/l	97
56) Ethyl methacrylate	10.520	69	28180	18.612	ug/l	91
57) 1,3-Dichloropropane	10.801	76	35313	19.592	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	72796	98.128	ug/l	96
59) 2-Hexanone	10.843	43	72202	91.798	ug/l	98
60) Dibromochloromethane	10.996	129	25481	21.055	ug/l	98
61) 1,2-Dibromoethane	11.099	107	18592	19.712	ug/l	99
64) Tetrachloroethene	10.734	164	27604	19.060	ug/l	96
65) Chlorobenzene	11.526	112	69423	19.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	26420	20.121	ug/l	97
67) Ethyl Benzene	11.599	91	127661	19.008	ug/l	98
68) m/p-Xylenes	11.709	106	97486	38.250	ug/l	99
69) o-Xylene	12.038	106	46549	19.338	ug/l	97
70) Styrene	12.050	104	80497	19.692	ug/l	98
71) Bromoform	12.209	173	16811	20.587	ug/l #	98
73) Isopropylbenzene	12.337	105	125289	18.345	ug/l	99
74) N-amyl acetate	12.148	43	35682	16.833	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	22954	18.610	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	20106m	21.696	ug/l	
77) Bromobenzene	12.611	156	30691	19.167	ug/l	92
78) n-propylbenzene	12.672	91	153869	18.303	ug/l	99
79) 2-Chlorotoluene	12.758	91	86180	18.525	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	107552	18.833	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8485	17.993	ug/l	97
82) 4-Chlorotoluene	12.861	91	91034	18.920	ug/l	100
83) tert-Butylbenzene	13.081	119	94279	19.310	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	107664	19.093	ug/l	98
85) sec-Butylbenzene	13.258	105	141116	19.126	ug/l	99
86) p-Isopropyltoluene	13.373	119	119391	19.176	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	62486	19.696	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	62228	19.893	ug/l	100
89) n-Butylbenzene	13.696	91	113699	19.219	ug/l	100
90) Hexachloroethane	13.965	117	22140	19.581	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	56938	20.524	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4648	19.780	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	40188	21.922	ug/l	99
94) Hexachlorobutadiene	15.111	225	26146	21.863	ug/l	98
95) Naphthalene	15.239	128	76959	21.130	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	35932	22.115	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

