

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040522\
 Data File : VY008198.D
 Acq On : 05 Apr 2022 10:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

04/06/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Apr 06 03:54:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	158055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	264573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	239706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119261	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70930	44.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.460%
35) Dibromofluoromethane	7.716	113	78263	47.181	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.360%
50) Toluene-d8	10.185	98	287406	45.988	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.980%
62) 4-Bromofluorobenzene	12.483	95	98165	44.522	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.040%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	62023	43.531	ug/l	99
3) Chloromethane	2.113	50	81592	47.027	ug/l	97
4) Vinyl Chloride	2.253	62	109252	47.326	ug/l	98
5) Bromomethane	2.656	94	87076	46.026	ug/l	99
6) Chloroethane	2.796	64	74758	49.231	ug/l	96
7) Trichlorofluoromethane	3.131	101	128515	44.009	ug/l	94
8) Diethyl Ether	3.534	74	44574	47.135	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.905	101	83327	46.001	ug/l	92
10) Methyl Iodide	4.094	142	97964	46.427	ug/l	89
11) Tert butyl alcohol	4.954	59	33124	201.327	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	77083	45.966	ug/l	81
13) Acrolein	3.735	56	27892	208.280	ug/l	98
14) Allyl chloride	4.479	41	98622	44.699	ug/l #	89
15) Acrylonitrile	5.161	53	106425	236.264	ug/l	97
16) Acetone	3.948	43	94481	260.666	ug/l #	89
17) Carbon Disulfide	4.198	76	209808	44.154	ug/l	99
18) Methyl Acetate	4.479	43	43970	45.532	ug/l #	80
19) Methyl tert-butyl Ether	5.222	73	226496	47.526	ug/l	97
20) Methylene Chloride	4.716	84	91045	49.306	ug/l #	78
21) trans-1,2-Dichloroethene	5.222	96	91829	47.292	ug/l #	81
22) Diisopropyl ether	6.118	45	234748	49.454	ug/l #	92
23) Vinyl Acetate	6.058	43	748798	254.582	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	152286	48.459	ug/l	96
25) 2-Butanone	6.984	43	131882	239.097	ug/l #	76
26) 2,2-Dichloropropane	6.984	77	142834	47.993	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	108557	48.232	ug/l	81
28) Bromochloromethane	7.332	49	39394	47.005	ug/l #	68
29) Tetrahydrofuran	7.350	42	81450	227.132	ug/l #	72
30) Chloroform	7.508	83	166853	49.035	ug/l	99
31) Cyclohexane	7.783	56	124758	42.089	ug/l #	85
32) 1,1,1-Trichloroethane	7.704	97	149240	47.467	ug/l	94
36) 1,1-Dichloropropene	7.917	75	124192	47.662	ug/l	96
37) Ethyl Acetate	7.076	43	57116	46.923	ug/l #	91
38) Carbon Tetrachloride	7.899	117	133274	46.934	ug/l	99
39) Methylcyclohexane	9.185	83	156162	44.401	ug/l #	85
40) Benzene	8.161	78	364679	48.928	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28169m	46.088	ug/l	
42) 1,2-Dichloroethane	8.240	62	100527	48.079	ug/l	90
43) Isopropyl Acetate	8.271	43	109024	45.625	ug/l #	84
44) Trichloroethene	8.941	130	105338	48.874	ug/l	100
45) 1,2-Dichloropropane	9.215	63	86821	49.426	ug/l	94
46) Dibromomethane	9.307	93	56291	48.737	ug/l	96
47) Bromodichloromethane	9.496	83	129670	49.097	ug/l	98
48) Methyl methacrylate	9.295	41	46722	44.146	ug/l #	75
49) 1,4-Dioxane	9.301	88	14298	931.204	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	284625	236.166	ug/l #	83
52) Toluene	10.246	92	243142	49.742	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	134103	49.534	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	150743	49.187	ug/l #	81
55) 1,1,2-Trichloroethane	10.648	97	79576	49.896	ug/l	96
56) Ethyl methacrylate	10.514	69	100316	48.220	ug/l #	74
57) 1,3-Dichloropropane	10.794	76	128151	49.095	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	186900	216.831	ug/l #	89
59) 2-Hexanone	10.831	43	201682	239.150	ug/l	79
60) Dibromochloromethane	10.990	129	96301	49.648	ug/l	99
61) 1,2-Dibromoethane	11.093	107	76377	48.084	ug/l	99
64) Tetrachloroethene	10.721	164	87149	47.336	ug/l	99
65) Chlorobenzene	11.520	112	268312	49.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	100303	50.311	ug/l	98
67) Ethyl Benzene	11.593	91	468291	49.434	ug/l	96
68) m/p-Xylenes	11.703	106	376102	99.846	ug/l	88
69) o-Xylene	12.032	106	180367	50.010	ug/l	88
70) Styrene	12.044	104	301871	51.129	ug/l	93
71) Bromoform	12.209	173	59901	49.763	ug/l #	98
73) Isopropylbenzene	12.331	105	469861	47.731	ug/l	99
74) N-amyl acetate	12.148	43	95676	44.214	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.587	83	91688	47.920	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	69646m	47.906	ug/l	
77) Bromobenzene	12.611	156	111232	49.254	ug/l	89
78) n-propylbenzene	12.672	91	556436	47.922	ug/l	96
79) 2-Chlorotoluene	12.758	91	303787	47.163	ug/l	95
80) 1,3,5-Trimethylbenzene	12.818	105	387292	48.025	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	29256	44.899	ug/l #	83
82) 4-Chlorotoluene	12.855	91	317540	48.046	ug/l	95
83) tert-Butylbenzene	13.081	119	358705	49.926	ug/l	90
84) 1,2,4-Trimethylbenzene	13.123	105	381376	48.563	ug/l	96
85) sec-Butylbenzene	13.257	105	512116	48.290	ug/l	98
86) p-Isopropyltoluene	13.373	119	429795	48.697	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	223651	49.951	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	219430	49.142	ug/l	98
89) n-Butylbenzene	13.702	91	383884	47.275	ug/l	97
90) Hexachloroethane	13.965	117	78715	46.030	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	193074	48.979	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12766	41.803	ug/l	69
93) 1,2,4-Trichlorobenzene	15.013	180	111511	47.231	ug/l	99
94) Hexachlorobutadiene	15.117	225	57427	45.978	ug/l	99
95) Naphthalene	15.239	128	229921	44.057	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	94459	46.239	ug/l	99

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

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