

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040122\
 Data File : VY008150.D
 Acq On : 01 Apr 2022 09:32
 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 04/02/2022
 Supervised By : Mahesh Dadoda 04/04/2022

Quant Time: Apr 02 03:53:53 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	159761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	273594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	245469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	77272	48.208	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.420%		
35) Dibromofluoromethane	7.716	113	85306	49.731	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.460%		
50) Toluene-d8	10.179	98	316795	49.019	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.040%		
62) 4-Bromofluorobenzene	12.483	95	112417	49.305	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59640	41.411	ug/l	97
3) Chloromethane	2.113	50	75944	43.304	ug/l	95
4) Vinyl Chloride	2.253	62	101431	43.469	ug/l	97
5) Bromomethane	2.650	94	86103	45.026	ug/l	98
6) Chloroethane	2.796	64	69303	45.151	ug/l	99
7) Trichlorofluoromethane	3.131	101	131930	44.696	ug/l	94
8) Diethyl Ether	3.528	74	44660	46.721	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.906	101	82794	45.218	ug/l	92
10) Methyl Iodide	4.095	142	91877	43.200	ug/l	91
11) Tert butyl alcohol	4.948	59	37495	225.460	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	76141	44.919	ug/l	81
13) Acrolein	3.729	56	31101	229.762	ug/l	97
14) Allyl chloride	4.485	41	102190	45.821	ug/l #	90
15) Acrylonitrile	5.155	53	107560	236.234	ug/l	96
16) Acetone	3.948	43	91181	248.875	ug/l #	81
17) Carbon Disulfide	4.198	76	213145	44.377	ug/l	100
18) Methyl Acetate	4.479	43	44445	45.533	ug/l #	80
19) Methyl tert-butyl Ether	5.222	73	227370	47.200	ug/l	95
20) Methylene Chloride	4.716	84	88667	47.315	ug/l #	79
21) trans-1,2-Dichloroethene	5.222	96	91395	46.566	ug/l #	80
22) Diisopropyl ether	6.119	45	226268	47.158	ug/l #	92
23) Vinyl Acetate	6.058	43	752557	253.127	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	149154	46.956	ug/l	97
25) 2-Butanone	6.984	43	132810	238.208	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	144337	47.981	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	108383	47.641	ug/l	81
28) Bromochloromethane	7.332	49	39449	46.475	ug/l #	67
29) Tetrahydrofuran	7.344	42	83479	230.304	ug/l #	72
30) Chloroform	7.503	83	165171	48.022	ug/l	99
31) Cyclohexane	7.783	56	124490	41.550	ug/l #	85
32) 1,1,1-Trichloroethane	7.704	97	151903	47.798	ug/l	94
36) 1,1-Dichloropropene	7.917	75	122268	45.377	ug/l	95
37) Ethyl Acetate	7.076	43	59036	46.901	ug/l #	89
38) Carbon Tetrachloride	7.899	117	135850	46.264	ug/l	99
39) Methylcyclohexane	9.185	83	155399	42.727	ug/l #	85
40) Benzene	8.161	78	358765	46.547	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	30057m	47.555	ug/l	
42) 1,2-Dichloroethane	8.234	62	99900	46.204	ug/l	89
43) Isopropyl Acetate	8.271	43	113332	45.865	ug/l #	84
44) Trichloroethene	8.941	130	104184	46.744	ug/l	98
45) 1,2-Dichloropropane	9.216	63	86390	47.559	ug/l	95
46) Dibromomethane	9.307	93	56440	47.254	ug/l	95
47) Bromodichloromethane	9.496	83	130393	47.743	ug/l	98
48) Methyl methacrylate	9.289	41	47585	43.479	ug/l #	74
49) 1,4-Dioxane	9.301	88	15090	950.381	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	291450	233.855	ug/l #	83
52) Toluene	10.246	92	240564	47.592	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	134628	48.088	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	151082	47.672	ug/l #	82
55) 1,1,2-Trichloroethane	10.648	97	80308	48.694	ug/l	97
56) Ethyl methacrylate	10.508	69	104754	48.693	ug/l #	72
57) 1,3-Dichloropropane	10.795	76	128293	47.529	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	196582	220.543	ug/l #	88
59) 2-Hexanone	10.831	43	208914	239.557	ug/l	80
60) Dibromochloromethane	10.990	129	98318	49.017	ug/l	98
61) 1,2-Dibromoethane	11.087	107	78588	47.845	ug/l	99
64) Tetrachloroethene	10.721	164	84856	45.009	ug/l	97
65) Chlorobenzene	11.520	112	264439	47.778	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	100955	49.449	ug/l	97
67) Ethyl Benzene	11.593	91	461688	47.593	ug/l	96
68) m/p-Xylenes	11.703	106	372695	96.618	ug/l	91
69) o-Xylene	12.032	106	179995	48.735	ug/l	90
70) Styrene	12.044	104	301167	49.812	ug/l	94
71) Bromoform	12.209	173	61563	49.943	ug/l #	99
73) Isopropylbenzene	12.331	105	470890	45.945	ug/l	99
74) N-amyl acetate	12.142	43	101665	45.126	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.587	83	93875	47.124	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	71508m	47.244	ug/l	
77) Bromobenzene	12.611	156	109560	46.597	ug/l	91
78) n-propylbenzene	12.672	91	548443	45.367	ug/l	96
79) 2-Chlorotoluene	12.758	91	308322	45.976	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	389680	46.412	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	32261	47.555	ug/l #	80
82) 4-Chlorotoluene	12.855	91	316951	46.062	ug/l	95
83) tert-Butylbenzene	13.081	119	358214	47.888	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	381424	46.650	ug/l	95
85) sec-Butylbenzene	13.258	105	507026	45.921	ug/l	98
86) p-Isopropyltoluene	13.373	119	426627	46.429	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	223066	47.852	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	219840	47.289	ug/l	98
89) n-Butylbenzene	13.697	91	383915	45.410	ug/l	97
90) Hexachloroethane	13.965	117	82650	46.422	ug/l	83
91) 1,2-Dichlorobenzene	13.745	146	196987	47.997	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14470	45.511	ug/l	75
93) 1,2,4-Trichlorobenzene	15.013	180	110376	44.903	ug/l	98
94) Hexachlorobutadiene	15.117	225	55034	42.321	ug/l	98
95) Naphthalene	15.239	128	250808	46.160	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	96010	45.141	ug/l	98

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

