

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040422\
 Data File : VY008196.D
 Acq On : 04 Apr 2022 21:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/05/2022
 Supervised By : Mahesh Dadoda 04/05/2022

Quant Time: Apr 05 04:44:36 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	144278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	228296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	71046	49.080	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.160%		
35) Dibromofluoromethane	7.716	113	76304	49.245	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.500%		
50) Toluene-d8	10.179	98	276624	47.386	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.780%		
62) 4-Bromofluorobenzene	12.483	95	97038	47.116	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	54325	41.769	ug/l	99
3) Chloromethane	2.113	50	76607	48.370	ug/l	94
4) Vinyl Chloride	2.253	62	101037	47.947	ug/l	97
5) Bromomethane	2.650	94	90007	52.118	ug/l	100
6) Chloroethane	2.796	64	70310	50.723	ug/l	96
7) Trichlorofluoromethane	3.125	101	114120	42.811	ug/l	93
8) Diethyl Ether	3.528	74	41992	48.644	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.900	101	73029	44.165	ug/l	93
10) Methyl Iodide	4.095	142	70416	36.919	ug/l	90
11) Tert butyl alcohol	4.954	59	36165	240.799	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	67523	44.110	ug/l	81
13) Acrolein	3.729	56	25355	207.414	ug/l	97
14) Allyl chloride	4.479	41	94780	47.059	ug/l #	90
15) Acrylonitrile	5.161	53	112758	274.226	ug/l	96
16) Acetone	3.948	43	76104	230.014	ug/l #	85
17) Carbon Disulfide	4.192	76	188056	43.355	ug/l	99
18) Methyl Acetate	4.473	43	46014	53.449	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	218311	50.183	ug/l	92
20) Methylene Chloride	4.716	84	89698	53.626	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	84636	47.750	ug/l #	81
22) Diisopropyl ether	6.119	45	223138	51.496	ug/l #	89
23) Vinyl Acetate	6.058	43	734594	273.601	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	143298	49.953	ug/l	98
25) 2-Butanone	6.984	43	133021	264.190	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	119965	44.158	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	101014	49.167	ug/l	80
28) Bromochloromethane	7.338	49	38756	51.439	ug/l #	67
29) Tetrahydrofuran	7.344	42	88890	271.549	ug/l #	73
30) Chloroform	7.509	83	156318	50.325	ug/l	96
31) Cyclohexane	7.783	56	114320	42.250	ug/l #	82
32) 1,1,1-Trichloroethane	7.704	97	136822	47.673	ug/l	95
36) 1,1-Dichloropropene	7.917	75	112577	46.253	ug/l	96
37) Ethyl Acetate	7.070	43	59472	52.305	ug/l #	90
38) Carbon Tetrachloride	7.899	117	118036	44.501	ug/l	98
39) Methylcyclohexane	9.185	83	141223	42.986	ug/l #	83
40) Benzene	8.161	78	340565	48.916	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26163m	45.826	ug/l	
42) 1,2-Dichloroethane	8.234	62	95703	49.002	ug/l	88
43) Isopropyl Acetate	8.271	43	111831	50.102	ug/l #	84
44) Trichloroethene	8.941	130	96063	47.715	ug/l	99
45) 1,2-Dichloropropane	9.216	63	82172	50.080	ug/l	93
46) Dibromomethane	9.307	93	53736	49.807	ug/l	96
47) Bromodichloromethane	9.496	83	122792	49.773	ug/l	99
48) Methyl methacrylate	9.289	41	48558	49.118	ug/l #	74
49) 1,4-Dioxane	9.295	88	15150	1056.310	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	303704	269.776	ug/l #	83
52) Toluene	10.246	92	224596	49.190	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	123617	48.882	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	140128	48.949	ug/l #	81
55) 1,1,2-Trichloroethane	10.648	97	77770	52.204	ug/l	96
56) Ethyl methacrylate	10.508	69	99405	51.153	ug/l #	73
57) 1,3-Dichloropropane	10.789	76	124357	51.003	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	177455	220.399	ug/l #	88
59) 2-Hexanone	10.831	43	208779	265.032	ug/l	78
60) Dibromochloromethane	10.984	129	92308	50.947	ug/l	100
61) 1,2-Dibromoethane	11.087	107	76137	51.315	ug/l	100
64) Tetrachloroethene	10.721	164	80493	45.906	ug/l	99
65) Chlorobenzene	11.520	112	250017	48.570	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	93782	49.391	ug/l	97
67) Ethyl Benzene	11.593	91	430599	47.727	ug/l	97
68) m/p-Xylenes	11.703	106	348201	97.059	ug/l	89
69) o-Xylene	12.032	106	167991	48.907	ug/l	88
70) Styrene	12.044	104	281019	49.976	ug/l	93
71) Bromoform	12.209	173	57943	50.542	ug/l #	98
73) Isopropylbenzene	12.331	105	428934	44.949	ug/l	98
74) N-amyl acetate	12.142	43	96227	45.873	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	92554	49.900	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	71574m	50.787	ug/l	
77) Bromobenzene	12.611	156	105694	48.279	ug/l	90
78) n-propylbenzene	12.672	91	511380	45.432	ug/l	97
79) 2-Chlorotoluene	12.758	91	286006	45.804	ug/l	95
80) 1,3,5-Trimethylbenzene	12.813	105	353887	45.268	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	28455	45.049	ug/l #	83
82) 4-Chlorotoluene	12.855	91	291155	45.444	ug/l	94
83) tert-Butylbenzene	13.075	119	319422	45.862	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	352155	46.258	ug/l	96
85) sec-Butylbenzene	13.258	105	468738	45.596	ug/l	98
86) p-Isopropyltoluene	13.373	119	394624	46.124	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	209269	48.215	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	206043	47.601	ug/l	98
89) n-Butylbenzene	13.697	91	347201	44.107	ug/l	98
90) Hexachloroethane	13.965	117	70796	42.706	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	185249	48.477	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13668	46.170	ug/l	70
93) 1,2,4-Trichlorobenzene	15.007	180	101960	44.549	ug/l	99
94) Hexachlorobutadiene	15.111	225	51730	42.725	ug/l	98
95) Naphthalene	15.239	128	236636	46.775	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	89966	45.430	ug/l	99

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

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