

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080522\
 Data File : VY080522.D
 Acq On : 05 Aug 2022 13:22
 Operator : KP/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 :Krupa Patel 08/08/2022
 Supervised By :Mahesh Dadoda 08/08/2022

Quant Time: Aug 06 01:16:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 04 02:27:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	47105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	69237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	68703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	36427	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	17808	45.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.860%
35) Dibromofluoromethane	7.710	113	19895	47.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.260%
50) Toluene-d8	10.173	98	57848	46.143	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	92.280%
62) 4-Bromofluorobenzene	12.477	95	28698	50.203	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	100.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19522	44.399	ug/l	99
3) Chloromethane	2.107	50	28496	41.845	ug/l	97
4) Vinyl Chloride	2.241	62	30438	42.629	ug/l	98
5) Bromomethane	2.638	94	22238	46.306	ug/l	97
6) Chloroethane	2.778	64	21134	45.495	ug/l	94
7) Trichlorofluoromethane	3.113	101	41233	43.315	ug/l	93
8) Diethyl Ether	3.522	74	12562	43.861	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.887	101	23413	44.960	ug/l	99
10) Methyl Iodide	4.076	142	26187	43.852	ug/l	99
11) Tert butyl alcohol	4.948	59	10345	206.830	ug/l #	91
12) 1,1-Dichloroethene	3.857	96	20075	42.202	ug/l	96
13) Acrolein	3.717	56	894	135.523	ug/l #	83
14) Allyl chloride	4.466	41	34534	43.264	ug/l	98
15) Acrylonitrile	5.149	53	34419	226.380	ug/l	99
16) Acetone	3.936	43	39522	296.397	ug/l	96
17) Carbon Disulfide	4.180	76	60214	40.610	ug/l	98
18) Methyl Acetate	4.460	43	16578	41.673	ug/l	100
19) Methyl tert-butyl Ether	5.204	73	57762	47.335	ug/l	99
20) Methylene Chloride	4.698	84	34374	57.129	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	24120	44.599	ug/l	98
22) Diisopropyl ether	6.106	45	79784	45.143	ug/l	96
23) Vinyl Acetate	6.045	43	261187	231.559	ug/l	100
24) 1,1-Dichloroethane	6.003	63	42465	44.394	ug/l	99
25) 2-Butanone	6.978	43	54098	248.033	ug/l	97
26) 2,2-Dichloropropane	6.972	77	38170	42.927	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	27446	45.442	ug/l	99
28) Bromochloromethane	7.326	49	17726	47.532	ug/l	100
29) Tetrahydrofuran	7.338	42	32421	230.794	ug/l	100
30) Chloroform	7.496	83	46024	45.980	ug/l	95
31) Cyclohexane	7.777	56	37325	41.877	ug/l	99
32) 1,1,1-Trichloroethane	7.692	97	39932	46.037	ug/l	99
36) 1,1-Dichloropropene	7.905	75	33575	47.940	ug/l	99
37) Ethyl Acetate	7.064	43	21345	46.792	ug/l	98
38) Carbon Tetrachloride	7.893	117	37296	50.635	ug/l	98
39) Methylcyclohexane	9.179	83	38072	46.856	ug/l	98
40) Benzene	8.149	78	101539	47.794	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	9793m	44.017	ug/l	
42) 1,2-Dichloroethane	8.228	62	30427	49.879	ug/l	99
43) Isopropyl Acetate	8.265	43	38664	48.645	ug/l	98
44) Trichloroethene	8.935	130	27435	48.456	ug/l	98
45) 1,2-Dichloropropane	9.210	63	25765	48.530	ug/l	98
46) Dibromomethane	9.301	93	16020	48.950	ug/l	98
47) Bromodichloromethane	9.490	83	34999	46.275	ug/l	95
48) Methyl methacrylate	9.289	41	17055	46.813	ug/l	94
49) 1,4-Dioxane	9.289	88	3750	909.152	ug/l	94
51) 4-Methyl-2-Pentanone	10.063	43	112130	250.104	ug/l	99
52) Toluene	10.240	92	64946	48.516	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	35752	48.227	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	39533	47.254	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	22188	50.598	ug/l	99
56) Ethyl methacrylate	10.508	69	27211	44.589	ug/l	99
57) 1,3-Dichloropropane	10.789	76	35468	47.624	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.777	63	65424	243.766	ug/l	99
59) 2-Hexanone	10.831	43	84920	273.376	ug/l	100
60) Dibromochloromethane	10.978	129	27432	52.312	ug/l	98
61) 1,2-Dibromoethane	11.087	107	20158	47.111	ug/l	97
64) Tetrachloroethene	10.715	164	26802	49.172	ug/l	98
65) Chlorobenzene	11.514	112	72391	48.503	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	27728	50.073	ug/l	99
67) Ethyl Benzene	11.593	91	128167	49.456	ug/l	98
68) m/p-Xylenes	11.697	106	105626	103.831	ug/l	99
69) o-Xylene	12.026	106	48225	53.053	ug/l	96
70) Styrene	12.044	104	84513	49.723	ug/l	99
71) Bromoform	12.203	173	17732	53.400	ug/l #	99
73) Isopropylbenzene	12.325	105	125179	49.475	ug/l	100
74) N-amyl acetate	12.142	43	38501	43.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	27078	47.484	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	18581m	44.591	ug/l	
77) Bromobenzene	12.605	156	31334	49.325	ug/l	93
78) n-propylbenzene	12.666	91	159116	49.843	ug/l	100
79) 2-Chlorotoluene	12.752	91	86776	48.816	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	107604	50.414	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	9398	48.405	ug/l	97
82) 4-Chlorotoluene	12.855	91	89510	47.737	ug/l	98
83) tert-Butylbenzene	13.075	119	88831	48.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	103975	49.411	ug/l	98
85) sec-Butylbenzene	13.252	105	136134	48.810	ug/l	99
86) p-Isopropyltoluene	13.367	119	113920	50.366	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	59172	47.404	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	60434	47.565	ug/l	100
89) n-Butylbenzene	13.697	91	109286	49.337	ug/l	99
90) Hexachloroethane	13.959	117	22898	47.133	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	55237	48.348	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4256	47.614	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	31508	49.710	ug/l	99
94) Hexachlorobutadiene	15.111	225	18311	49.319	ug/l	97
95) Naphthalene	15.233	128	64694	45.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	28317	50.509	ug/l	99

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

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