

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032822\
 Data File : VY008058.D
 Acq On : 28 Mar 2022 11:02
 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 03/29/2022
 Supervised By : Mahesh Dadoda 03/29/2022

Quant Time: Mar 28 18:55:43 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	7.795	168	151209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	258871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	238689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116703	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	77867	51.327	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.660%	
35) Dibromofluoromethane	7.722	113	83586	51.499	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.000%	
50) Toluene-d8	10.185	98	307880	50.349	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	12.483	95	108623	50.350	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.700%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	78307	57.448	ug/l	98
3) Chloromethane	2.119	50	87286	52.586	ug/l	92
4) Vinyl Chloride	2.260	62	114780	51.972	ug/l	97
5) Bromomethane	2.656	94	87783	48.501	ug/l	98
6) Chloroethane	2.802	64	75510	51.977	ug/l	99
7) Trichlorofluoromethane	3.137	101	148759	53.248	ug/l	97
8) Diethyl Ether	3.534	74	49041	54.206	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.906	101	97051	56.003	ug/l	91
10) Methyl Iodide	4.101	142	112883	55.572	ug/l	90
11) Tert butyl alcohol	4.954	59	35116	223.097	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	88420	55.114	ug/l #	80
13) Acrolein	3.735	56	26755	208.835	ug/l	97
14) Allyl chloride	4.485	41	115957	54.935	ug/l #	90
15) Acrylonitrile	5.168	53	109663	254.475	ug/l	98
16) Acetone	3.948	43	101394	292.403	ug/l #	80
17) Carbon Disulfide	4.204	76	255723	56.253	ug/l	100
18) Methyl Acetate	4.485	43	45019	49.328	ug/l #	78
19) Methyl tert-butyl Ether	5.229	73	243533	53.415	ug/l	95
20) Methylene Chloride	4.723	84	102641	59.028	ug/l #	78
21) trans-1,2-Dichloroethene	5.229	96	102460	55.156	ug/l #	82
22) Diisopropyl ether	6.119	45	253125	55.739	ug/l #	93
23) Vinyl Acetate	6.064	43	805981	286.430	ug/l #	86
24) 1,1-Dichloroethane	6.027	63	165766	55.137	ug/l	98
25) 2-Butanone	6.990	43	136043	257.807	ug/l #	77
26) 2,2-Dichloropropane	6.990	77	160257	56.286	ug/l	94
27) cis-1,2-Dichloroethene	6.990	96	118310	54.946	ug/l	81
28) Bromochloromethane	7.338	49	39190	49.278	ug/l #	66
29) Tetrahydrofuran	7.350	42	84956	247.635	ug/l #	75
30) Chloroform	7.509	83	180645	55.491	ug/l	99
31) Cyclohexane	7.789	56	144434	50.933	ug/l #	85
32) 1,1,1-Trichloroethane	7.704	97	165512	55.026	ug/l	94
36) 1,1-Dichloropropene	7.923	75	138343	54.263	ug/l	96
37) Ethyl Acetate	7.076	43	58649	49.243	ug/l #	91
38) Carbon Tetrachloride	7.905	117	152445	54.868	ug/l	98
39) Methylcyclohexane	9.185	83	182174	52.938	ug/l #	85
40) Benzene	8.167	78	394406	54.082	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	32662m	54.616	ug/l	
42) 1,2-Dichloroethane	8.240	62	108286	52.931	ug/l	90
43) Isopropyl Acetate	8.277	43	116978	50.032	ug/l #	84
44) Trichloroethene	8.941	130	116668	55.323	ug/l	100
45) 1,2-Dichloropropane	9.222	63	93136	54.189	ug/l	96
46) Dibromomethane	9.307	93	59779	52.896	ug/l	96
47) Bromodichloromethane	9.502	83	139951	54.157	ug/l	98
48) Methyl methacrylate	9.295	41	50991	49.240	ug/l #	77
49) 1,4-Dioxane	9.295	88	14445	961.499	ug/l #	84
51) 4-Methyl-2-Pentanone	10.075	43	284530	241.287	ug/l #	82
52) Toluene	10.246	92	260612	54.491	ug/l	95
53) t-1,3-Dichloropropene	10.472	75	144177	54.428	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	162561	54.212	ug/l #	83
55) 1,1,2-Trichloroethane	10.648	97	84698	54.277	ug/l	96
56) Ethyl methacrylate	10.514	69	106353	52.248	ug/l #	73
57) 1,3-Dichloropropane	10.795	76	135338	52.991	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	208536	247.260	ug/l #	88
59) 2-Hexanone	10.837	43	203600	246.742	ug/l	79
60) Dibromochloromethane	10.990	129	102402	53.957	ug/l	99
61) 1,2-Dibromoethane	11.093	107	82723	53.227	ug/l	100
64) Tetrachloroethene	10.721	164	95301	51.985	ug/l	96
65) Chlorobenzene	11.520	112	285984	53.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	108184	54.495	ug/l	98
67) Ethyl Benzene	11.599	91	500551	53.065	ug/l	95
68) m/p-Xylenes	11.709	106	400553	106.790	ug/l	90
69) o-Xylene	12.032	106	191224	53.246	ug/l	90
70) Styrene	12.050	104	320559	54.526	ug/l	93
71) Bromoform	12.215	173	63761	53.196	ug/l #	99
73) Isopropylbenzene	12.337	105	506541	52.585	ug/l	98
74) N-amyl acetate	12.148	43	99675	47.072	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.587	83	93202	49.779	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	65083m	45.749	ug/l	
77) Bromobenzene	12.611	156	116784	52.846	ug/l	91
78) n-propylbenzene	12.678	91	589573	51.889	ug/l	96
79) 2-Chlorotoluene	12.764	91	329790	52.322	ug/l	94
80) 1,3,5-Trimethylbenzene	12.819	105	410746	52.050	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	31741	49.781	ug/l #	79
82) 4-Chlorotoluene	12.861	91	336596	52.045	ug/l	95
83) tert-Butylbenzene	13.081	119	371537	52.845	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	401152	52.201	ug/l	97
85) sec-Butylbenzene	13.258	105	547279	52.737	ug/l	99
86) p-Isopropyltoluene	13.373	119	452467	52.390	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	232253	53.010	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	228945	52.397	ug/l	98
89) n-Butylbenzene	13.703	91	408200	51.371	ug/l	97
90) Hexachloroethane	13.965	117	87516	52.299	ug/l	84
91) 1,2-Dichlorobenzene	13.745	146	202413	52.473	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13107	43.860	ug/l	70
93) 1,2,4-Trichlorobenzene	15.013	180	112717	48.788	ug/l	98
94) Hexachlorobutadiene	15.117	225	61458	50.284	ug/l	98
95) Naphthalene	15.245	128	240498	47.094	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	97465	48.756	ug/l	99

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

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