

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007892.D
 Acq On : 18 Mar 2022 10:26
 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 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 00:09:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	319458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	520293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	456424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	221828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	168050	46.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.280%		
35) Dibromofluoromethane	7.715	113	178986	48.984	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.960%		
50) Toluene-d8	10.178	98	609104	55.908	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	111.820%		
62) 4-Bromofluorobenzene	12.483	95	234992	44.810	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.905	85	101200	48.518	ug/l	100
3) Chloromethane	2.113	50	126843	49.182	ug/l	98
4) Vinyl Chloride	2.253	62	162444	50.280	ug/l	97
5) Bromomethane	2.649	94	114681	53.923	ug/l	99
6) Chloroethane	2.796	64	115617	44.255	ug/l	99
7) Trichlorofluoromethane	3.125	101	255771	43.668	ug/l	92
8) Diethyl Ether	3.527	74	92937	42.753	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	170064	44.953	ug/l	92
10) Methyl Iodide	4.094	142	175245	50.113	ug/l	88
11) Tert butyl alcohol	4.948	59	86843	204.656	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	147488	42.518	ug/l	82
13) Acrolein	3.734	56	25287	98.940	ug/l	99
14) Allyl chloride	4.478	41	244189	41.852	ug/l #	91
15) Acrylonitrile	5.161	53	245844	212.214	ug/l	97
16) Acetone	3.948	43	224066	231.886	ug/l #	89
17) Carbon Disulfide	4.198	76	312672	46.945	ug/l	100
18) Methyl Acetate	4.478	43	102647	43.931	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	482803	44.371	ug/l	96
20) Methylene Chloride	4.716	84	185063	49.309	ug/l	85
21) trans-1,2-Dichloroethene	5.222	96	163186	42.021	ug/l	89
22) Diisopropyl ether	6.118	45	557121	44.383	ug/l #	93
23) Vinyl Acetate	6.057	43	1802416	229.255	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	315445	44.616	ug/l	99
25) 2-Butanone	6.984	43	332333	214.719	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	301589	46.023	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	210157	45.085	ug/l	86
28) Bromochloromethane	7.331	49	131078	46.936	ug/l #	83
29) Tetrahydrofuran	7.344	42	200295	201.968	ug/l #	86
30) Chloroform	7.508	83	334056	45.711	ug/l	100
31) Cyclohexane	7.782	56	253586	47.656	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	295526	44.898	ug/l	96
36) 1,1-Dichloropropene	7.917	75	234360	43.244	ug/l	97
37) Ethyl Acetate	7.075	43	138357	41.839	ug/l #	93
38) Carbon Tetrachloride	7.898	117	262537	45.334	ug/l	98
39) Methylcyclohexane	9.185	83	291534	48.468	ug/l	91
40) Benzene	8.160	78	690092	43.574	ug/l	96

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41) Methacrylonitrile	7.331	41	102799m	50.407	ug/l	
42) 1,2-Dichloroethane	8.234	62	202117	44.078	ug/l	91
43) Isopropyl Acetate	8.270	43	274848	43.112	ug/l #	91
44) Trichloroethene	8.941	130	196134	44.787	ug/l	97
45) 1,2-Dichloropropane	9.215	63	181774	44.327	ug/l	95
46) Dibromomethane	9.307	93	105843	44.121	ug/l	95
47) Bromodichloromethane	9.496	83	263769	45.513	ug/l	100
48) Methyl methacrylate	9.294	41	116846	41.202	ug/l #	82
49) 1,4-Dioxane	9.300	88	27287	803.159	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	712874	212.236	ug/l	90
52) Toluene	10.245	92	444776	43.731	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	273007	44.158	ug/l	97
54) cis-1,3-Dichloropropene	9.928	75	308204	44.704	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	153908	44.160	ug/l	98
56) Ethyl methacrylate	10.508	69	214727	42.916	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	256955	44.211	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	546131	222.501	ug/l	94
59) 2-Hexanone	10.831	43	510941	212.718	ug/l	87
60) Dibromochloromethane	10.983	129	191852	45.962	ug/l	100
61) 1,2-Dibromoethane	11.087	107	146007	43.303	ug/l	100
64) Tetrachloroethene	10.721	164	153471	43.210	ug/l	97
65) Chlorobenzene	11.514	112	493315	45.119	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	192248	46.701	ug/l	97
67) Ethyl Benzene	11.593	91	873620	44.855	ug/l	97
68) m/p-Xylenes	11.703	106	677773	89.212	ug/l	92
69) o-Xylene	12.032	106	333187	45.339	ug/l	91
70) Styrene	12.044	104	563981	45.647	ug/l	96
71) Bromoform	12.209	173	120763	45.800	ug/l #	100
73) Isopropylbenzene	12.330	105	888258	45.492	ug/l	99
74) N-amyl acetate	12.141	43	251523	43.662	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.580	83	187642	44.645	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	165934m	52.481	ug/l	
77) Bromobenzene	12.611	156	202359	45.353	ug/l	98
78) n-propylbenzene	12.672	91	1062401	45.059	ug/l	98
79) 2-Chlorotoluene	12.757	91	596345	44.955	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	729125	45.408	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	64981	43.167	ug/l #	84
82) 4-Chlorotoluene	12.855	91	612340	44.435	ug/l	98
83) tert-Butylbenzene	13.074	119	663830	46.198	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	711574	45.206	ug/l	97
85) sec-Butylbenzene	13.257	105	987384	45.851	ug/l	99
86) p-Isopropyltoluene	13.367	119	793626	45.396	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	397438	45.608	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	397363	45.497	ug/l	99
89) n-Butylbenzene	13.696	91	762163	45.428	ug/l	98
90) Hexachloroethane	13.964	117	162628	46.606	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	360420	45.982	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	30297	41.900	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	224096	45.227	ug/l	98
94) Hexachlorobutadiene	15.117	225	119021	45.024	ug/l	99
95) Naphthalene	15.238	128	491852	44.491	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	194865	44.589	ug/l	98

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

