

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012822\
 Data File : VY007315.D
 Acq On : 28 Jan 2022 12:33
 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 01/31/2022
 Supervised By : Mahesh Dadoda 01/31/2022

Quant Time: Jan 31 00:29:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	117433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	194079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	170574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	64108	44.491	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.980%		
35) Dibromofluoromethane	7.722	113	62353	47.513	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.020%		
50) Toluene-d8	10.179	98	215841	45.012	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.020%		
62) 4-Bromofluorobenzene	12.483	95	77434	45.397	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	21788	52.913	ug/l	90
3) Chloromethane	2.119	50	39777	46.064	ug/l	97
4) Vinyl Chloride	2.260	62	61207	48.702	ug/l	99
5) Bromomethane	2.662	94	43469	53.415	ug/l	98
6) Chloroethane	2.802	64	41058	52.360	ug/l	100
7) Trichlorofluoromethane	3.131	101	74041	54.665	ug/l	95
8) Diethyl Ether	3.528	74	38553	51.690	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	69890	52.962	ug/l	97
10) Methyl Iodide	4.095	142	97351	49.878	ug/l	97
11) Tert butyl alcohol	4.948	59	32108	261.556	ug/l	100
12) 1,1-Dichloroethene	3.875	96	65877	49.575	ug/l	98
13) Acrolein	3.729	56	5661	187.723	ug/l	94
14) Allyl chloride	4.479	41	102882	48.286	ug/l	96
15) Acrylonitrile	5.161	53	95195	265.569	ug/l	99
16) Acetone	3.948	43	90411	241.770	ug/l	99
17) Carbon Disulfide	4.198	76	162549	44.049	ug/l	99
18) Methyl Acetate	4.473	43	65031	48.873	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	133748	51.126	ug/l	98
20) Methylene Chloride	4.716	84	73330	47.422	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	70500	48.938	ug/l	96
22) Diisopropyl ether	6.119	45	215748	49.982	ug/l	98
23) Vinyl Acetate	6.058	43	655228	258.117	ug/l	100
24) 1,1-Dichloroethane	6.021	63	135467	51.591	ug/l	99
25) 2-Butanone	6.984	43	118316	244.714	ug/l	99
26) 2,2-Dichloropropane	6.984	77	98924	51.694	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	85856	52.538	ug/l	99
28) Bromochloromethane	7.338	49	48581	51.149	ug/l	97
29) Tetrahydrofuran	7.344	42	76730	246.882	ug/l	99
30) Chloroform	7.509	83	144935	53.124	ug/l	99
31) Cyclohexane	7.789	56	108959	44.728	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	123425	52.928	ug/l	100
36) 1,1-Dichloropropene	7.917	75	106430	50.779	ug/l	100
37) Ethyl Acetate	7.070	43	54475	50.644	ug/l	98
38) Carbon Tetrachloride	7.905	117	113902	51.665	ug/l	99
39) Methylcyclohexane	9.185	83	128229	50.107	ug/l	98
40) Benzene	8.161	78	294391	52.655	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	33092m	53.424	ug/l	
42) 1,2-Dichloroethane	8.240	62	92645	52.622	ug/l	100
43) Isopropyl Acetate	8.277	43	107945	51.575	ug/l	99
44) Trichloroethene	8.941	130	78504	51.889	ug/l	96
45) 1,2-Dichloropropane	9.216	63	73931	52.000	ug/l	96
46) Dibromomethane	9.307	93	44504	52.933	ug/l	98
47) Bromodichloromethane	9.496	83	110787	53.601	ug/l	98
48) Methyl methacrylate	9.295	41	46632	48.984	ug/l	94
49) 1,4-Dioxane	9.307	88	9417	1038.806	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	274534	258.693	ug/l	98
52) Toluene	10.246	92	187084	52.791	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	114302	52.388	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	128391	52.570	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	62050	54.410	ug/l	98
56) Ethyl methacrylate	10.508	69	82790	51.531	ug/l	97
57) 1,3-Dichloropropane	10.788	76	105598	53.122	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	161692	221.331	ug/l	99
59) 2-Hexanone	10.831	43	182995	254.083	ug/l	99
60) Dibromochloromethane	10.984	129	74982	53.486	ug/l	100
61) 1,2-Dibromoethane	11.087	107	58579	52.286	ug/l	99
64) Tetrachloroethene	10.721	164	62379	50.736	ug/l	97
65) Chlorobenzene	11.520	112	200432	53.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	75018	54.260	ug/l	99
67) Ethyl Benzene	11.593	91	375127	53.513	ug/l	99
68) m/p-Xylenes	11.703	106	278039	106.731	ug/l	99
69) o-Xylene	12.032	106	131175	53.471	ug/l	100
70) Styrene	12.044	104	225256	54.429	ug/l	99
71) Bromoform	12.209	173	44155	55.213	ug/l #	98
73) Isopropylbenzene	12.331	105	356267	52.261	ug/l	99
74) N-amyl acetate	12.142	43	91701	50.304	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	68943	52.009	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	42824m	47.583	ug/l	
77) Bromobenzene	12.611	156	77286	52.103	ug/l	99
78) n-propylbenzene	12.672	91	436044	51.598	ug/l	100
79) 2-Chlorotoluene	12.758	91	241778	51.458	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	285511	51.008	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	25386	51.639	ug/l #	98
82) 4-Chlorotoluene	12.855	91	250176	51.043	ug/l	98
83) tert-Butylbenzene	13.075	119	255010	52.725	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	285281	51.419	ug/l	99
85) sec-Butylbenzene	13.258	105	382878	52.915	ug/l	99
86) p-Isopropyltoluene	13.373	119	314265	52.852	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	152217	52.427	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	151195	51.788	ug/l	99
89) n-Butylbenzene	13.696	91	307687	52.553	ug/l	99
90) Hexachloroethane	13.965	117	61996	53.331	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	131777	51.011	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11260	49.181	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	81161	51.664	ug/l	100
94) Hexachlorobutadiene	15.111	225	44275	54.685	ug/l	96
95) Naphthalene	15.239	128	172715	51.764	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	69104	51.560	ug/l	99

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

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