

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080422\
 Data File : VY009848.D
 Acq On : 04 Aug 2022 21:25
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2022
 Supervised By :Semsettin Yesilyurt 08/05/2022

Quant Time: Aug 05 01:46:05 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	42000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	65444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	63098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	33953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	17410	50.483	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.960%			
35) Dibromofluoromethane	7.710	113	18695	46.852	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.700%			
50) Toluene-d8	10.173	98	53595	45.070	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 90.140%			
62) 4-Bromofluorobenzene	12.477	95	26236	48.556	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 97.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	18204	46.632	ug/l	99
3) Chloromethane	2.107	50	26960	44.401	ug/l	99
4) Vinyl Chloride	2.241	62	28980	45.520	ug/l	95
5) Bromomethane	2.644	94	21106	49.711	ug/l	91
6) Chloroethane	2.784	64	19235	46.440	ug/l	100
7) Trichlorofluoromethane	3.113	101	37829	44.569	ug/l	94
8) Diethyl Ether	3.522	74	12669	49.612	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.887	101	21630	46.585	ug/l	100
10) Methyl Iodide	4.076	142	25598	48.075	ug/l	100
11) Tert butyl alcohol	4.948	59	10880	243.966	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	18831	44.399	ug/l	95
13) Acrolein	3.729	56	1057	179.708	ug/l	84
14) Allyl chloride	4.460	41	32591	45.793	ug/l	99
15) Acrylonitrile	5.149	53	35114	259.022	ug/l	99
16) Acetone	3.936	43	26480	222.726	ug/l	92
17) Carbon Disulfide	4.180	76	56974	43.095	ug/l	99
18) Methyl Acetate	4.466	43	17845	50.310	ug/l	98
19) Methyl tert-butyl Ether	5.204	73	57279	52.645	ug/l	99
20) Methylene Chloride	4.704	84	30863	57.595	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	22745	47.169	ug/l	98
22) Diisopropyl ether	6.106	45	77769	49.351	ug/l	91
23) Vinyl Acetate	6.052	43	257313	255.852	ug/l	99
24) 1,1-Dichloroethane	6.003	63	41348	48.480	ug/l	98
25) 2-Butanone	6.978	43	47245	242.942	ug/l	98
26) 2,2-Dichloropropane	6.972	77	32023	40.391	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	26170	48.596	ug/l	99
28) Bromochloromethane	7.326	49	16157	48.591	ug/l	97
29) Tetrahydrofuran	7.338	42	32984	263.342	ug/l	99
30) Chloroform	7.496	83	43838	49.119	ug/l	100
31) Cyclohexane	7.783	56	34731	43.703	ug/l	96
32) 1,1,1-Trichloroethane	7.691	97	37314	48.248	ug/l	99
36) 1,1-Dichloropropene	7.911	75	31562	47.678	ug/l	99
37) Ethyl Acetate	7.070	43	22049	51.136	ug/l	98
38) Carbon Tetrachloride	7.893	117	34553	49.629	ug/l	99
39) Methylcyclohexane	9.179	83	36460	47.473	ug/l	98
40) Benzene	8.155	78	97509	48.558	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11425m	54.329	ug/l	
42) 1,2-Dichloroethane	8.228	62	29056	50.392	ug/l	99
43) Isopropyl Acetate	8.271	43	39257	52.254	ug/l	99
44) Trichloroethene	8.935	130	25543	47.729	ug/l	97
45) 1,2-Dichloropropane	9.210	63	25076	49.970	ug/l	100
46) Dibromomethane	9.301	93	15267	49.352	ug/l	99
47) Bromodichloromethane	9.490	83	34701	48.540	ug/l	96
48) Methyl methacrylate	9.289	41	17524	50.888	ug/l	94
49) 1,4-Dioxane	9.289	88	3774	963.933	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	112359	265.139	ug/l	98
52) Toluene	10.240	92	61006	48.214	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	33247	47.448	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	37968	48.013	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	20825	50.242	ug/l	96
56) Ethyl methacrylate	10.508	69	26942	46.567	ug/l	99
57) 1,3-Dichloropropane	10.788	76	35003	49.724	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	66301	261.351	ug/l	100
59) 2-Hexanone	10.831	43	78257	266.528	ug/l	99
60) Dibromochloromethane	10.984	129	25063	50.565	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20018	49.495	ug/l	98
64) Tetrachloroethene	10.715	164	25461	50.861	ug/l	97
65) Chlorobenzene	11.514	112	66879	48.791	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	25767	50.665	ug/l	97
67) Ethyl Benzene	11.587	91	116698	49.030	ug/l	100
68) m/p-Xylenes	11.697	106	92813	99.340	ug/l	98
69) o-Xylene	12.026	106	43170	51.711	ug/l	99
70) Styrene	12.044	104	75787	48.573	ug/l	99
71) Bromoform	12.203	173	16147	52.946	ug/l #	99
73) Isopropylbenzene	12.325	105	114264	48.452	ug/l	100
74) N-amyl acetate	12.142	43	36986	44.246	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	26057	49.023	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	18239m	46.960	ug/l	
77) Bromobenzene	12.605	156	28165	47.567	ug/l	98
78) n-propylbenzene	12.666	91	142939	48.038	ug/l	99
79) 2-Chlorotoluene	12.752	91	79120	47.752	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	97929	49.224	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	8500	46.970	ug/l	98
82) 4-Chlorotoluene	12.855	91	83422	47.732	ug/l	99
83) tert-Butylbenzene	13.075	119	84264	49.552	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	96161	49.027	ug/l	99
85) sec-Butylbenzene	13.251	105	128060	49.260	ug/l	99
86) p-Isopropyltoluene	13.367	119	105318	49.956	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	56611	48.657	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	55804	47.121	ug/l	99
89) n-Butylbenzene	13.697	91	100048	48.458	ug/l	99
90) Hexachloroethane	13.959	117	21624	47.754	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	51270	48.145	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4100	49.211	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	28169	47.680	ug/l	99
94) Hexachlorobutadiene	15.111	225	16386	47.350	ug/l	96
95) Naphthalene	15.233	128	61314	45.968	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	25507	48.812	ug/l	98

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

