

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011122\
 Data File : VY007111.D
 Acq On : 11 Jan 2022 12:10
 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 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 05:07:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	148013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	251804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	221780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	98768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	96154	54.302	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.600%			
35) Dibromofluoromethane	7.728	113	88083	52.486	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.980%			
50) Toluene-d8	10.185	98	321482	51.861	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.489	95	115460	51.644	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.924	85	22360	43.721	ug/l	98
3) Chloromethane	2.125	50	60331	56.318	ug/l	94
4) Vinyl Chloride	2.265	62	80085	51.494	ug/l	100
5) Bromomethane	2.674	94	58750	56.859	ug/l	100
6) Chloroethane	2.808	64	51319	53.859	ug/l	100
7) Trichlorofluoromethane	3.143	101	97906	51.413	ug/l	98
8) Diethyl Ether	3.540	74	49129	52.822	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.918	101	88574	54.122	ug/l	98
10) Methyl Iodide	4.100	142	133471	52.674	ug/l	98
11) Tert butyl alcohol	4.960	59	37745	267.354	ug/l	100
12) 1,1-Dichloroethene	3.887	96	88631	52.382	ug/l	98
13) Acrolein	3.747	56	10301	253.643	ug/l	98
14) Allyl chloride	4.497	41	137842	53.618	ug/l	96
15) Acrylonitrile	5.173	53	117017	274.020	ug/l	98
16) Acetone	3.954	43	97475	293.405	ug/l	99
17) Carbon Disulfide	4.210	76	253322	52.261	ug/l	100
18) Methyl Acetate	4.484	43	79473	52.151	ug/l	96
19) Methyl tert-butyl Ether	5.234	73	168644	50.149	ug/l	98
20) Methylene Chloride	4.728	84	94687	54.462	ug/l	95
21) trans-1,2-Dichloroethene	5.234	96	94798	51.944	ug/l	94
22) Diisopropyl ether	6.124	45	289702	55.409	ug/l	95
23) Vinyl Acetate	6.070	43	869112	287.044	ug/l	98
24) 1,1-Dichloroethane	6.033	63	172829	54.184	ug/l	99
25) 2-Butanone	6.996	43	144289	281.084	ug/l	99
26) 2,2-Dichloropropane	6.996	77	131342	53.067	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	106355	51.763	ug/l	96
28) Bromochloromethane	7.344	49	72645	61.009	ug/l	95
29) Tetrahydrofuran	7.356	42	101286	275.484	ug/l	98
30) Chloroform	7.514	83	178525	53.156	ug/l	97
31) Cyclohexane	7.795	56	158622	52.046	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	158800	54.371	ug/l	99
36) 1,1-Dichloropropene	7.929	75	140778	52.939	ug/l	100
37) Ethyl Acetate	7.082	43	70617	54.260	ug/l	97
38) Carbon Tetrachloride	7.911	117	148290	53.370	ug/l	100
39) Methylcyclohexane	9.191	83	172805	51.960	ug/l	96
40) Benzene	8.167	78	378096	52.809	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	34113m	46.105	ug/l	
42) 1,2-Dichloroethane	8.246	62	119154	54.507	ug/l	99
43) Isopropyl Acetate	8.283	43	139917	55.403	ug/l	98
44) Trichloroethene	8.947	130	101969	51.472	ug/l	97
45) 1,2-Dichloropropane	9.221	63	93440	52.715	ug/l	97
46) Dibromomethane	9.313	93	54961	52.005	ug/l	98
47) Bromodichloromethane	9.502	83	138338	52.406	ug/l	97
48) Methyl methacrylate	9.301	41	65070	57.154	ug/l	98
49) 1,4-Dioxane	9.301	88	12173	1130.327	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	347252	279.141	ug/l	98
52) Toluene	10.252	92	237543	52.116	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	148540	53.849	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	164786	52.966	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	74518	51.897	ug/l	98
56) Ethyl methacrylate	10.514	69	106165	52.636	ug/l	96
57) 1,3-Dichloropropane	10.794	76	132340	52.525	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	239561	260.215	ug/l	99
59) 2-Hexanone	10.837	43	227798	282.267	ug/l	97
60) Dibromochloromethane	10.989	129	92626	51.701	ug/l	99
61) 1,2-Dibromoethane	11.093	107	74270	51.702	ug/l	99
64) Tetrachloroethene	10.727	164	80983	51.180	ug/l	97
65) Chlorobenzene	11.520	112	249359	52.248	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	91442	51.747	ug/l	100
67) Ethyl Benzene	11.599	91	466443	52.032	ug/l	99
68) m/p-Xylenes	11.709	106	349487	104.231	ug/l	100
69) o-Xylene	12.032	106	162153	51.626	ug/l	99
70) Styrene	12.050	104	280946	52.937	ug/l	99
71) Bromoform	12.215	173	53043	52.415	ug/l #	97
73) Isopropylbenzene	12.337	105	441071	52.483	ug/l	99
74) N-amyl acetate	12.148	43	120386	56.271	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	82734	51.620	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	64325m	57.065	ug/l	
77) Bromobenzene	12.611	156	95687	51.558	ug/l	97
78) n-propylbenzene	12.678	91	542190	52.809	ug/l	100
79) 2-Chlorotoluene	12.764	91	303051	51.885	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	363098	52.522	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	32661	54.422	ug/l #	98
82) 4-Chlorotoluene	12.861	91	318374	52.795	ug/l	99
83) tert-Butylbenzene	13.081	119	317172	52.095	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	354730	52.203	ug/l	99
85) sec-Butylbenzene	13.257	105	471199	53.111	ug/l	99
86) p-Isopropyltoluene	13.373	119	383283	52.770	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	187038	52.219	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	184623	51.771	ug/l	99
89) n-Butylbenzene	13.702	91	375459	52.998	ug/l	100
90) Hexachloroethane	13.965	117	76037	52.826	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	162701	51.733	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14250	53.390	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	97202	52.093	ug/l	99
94) Hexachlorobutadiene	15.117	225	51807	53.931	ug/l	97
95) Naphthalene	15.245	128	204879	52.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	83025	52.750	ug/l	99

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

