

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014178.D
 Acq On : 15 Jun 2023 10:12
 Operator : KP/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 :Krupa Patel 06/16/2023
 Supervised By :Mahesh Dadoda 06/16/2023

Quant Time: Jun 16 02:03:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	189707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	289644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	115429	43.695	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.380%		
35) Dibromofluoromethane	7.710	113	103880	50.572	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.140%		
50) Toluene-d8	10.179	98	335775	43.724	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.440%		
62) 4-Bromofluorobenzene	12.483	95	135899	49.817	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	90679	42.890	ug/l	98
3) Chloromethane	2.113	50	119170	44.453	ug/l	98
4) Vinyl Chloride	2.247	62	117168	44.954	ug/l	96
5) Bromomethane	2.643	94	91994	42.778	ug/l	95
6) Chloroethane	2.790	64	77252	43.619	ug/l	92
7) Trichlorofluoromethane	3.119	101	195486	46.167	ug/l	98
8) Diethyl Ether	3.527	74	66795	47.243	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	100270	46.921	ug/l	99
10) Methyl Iodide	4.088	142	128599	45.573	ug/l	98
11) Tert butyl alcohol	4.948	59	88431	292.652	ug/l #	97
12) 1,1-Dichloroethene	3.869	96	100243	46.280	ug/l	99
13) Acrolein	3.723	56	41072	333.618	ug/l	99
14) Allyl chloride	4.472	41	186517	47.505	ug/l	98
15) Acrylonitrile	5.155	53	190645	261.417	ug/l	100
16) Acetone	3.942	43	220849	277.347	ug/l	100
17) Carbon Disulfide	4.192	76	330852	47.137	ug/l	97
18) Methyl Acetate	4.472	43	150835	48.801	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	320481	50.166	ug/l	99
20) Methylene Chloride	4.704	84	133386	52.660	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	118835	49.189	ug/l	96
22) Diisopropyl ether	6.112	45	388975	51.743	ug/l	96
23) Vinyl Acetate	6.051	43	1155021	260.407	ug/l	99
24) 1,1-Dichloroethane	6.009	63	214965	49.596	ug/l	99
25) 2-Butanone	6.978	43	281445	287.130	ug/l	99
26) 2,2-Dichloropropane	6.972	77	200646	49.287	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	138395	51.209	ug/l	98
28) Bromochloromethane	7.332	49	88589	50.260	ug/l	99
29) Tetrahydrofuran	7.344	42	170117	273.696	ug/l	99
30) Chloroform	7.502	83	233058	50.684	ug/l	97
31) Cyclohexane	7.783	56	167802	47.417	ug/l	99
32) 1,1,1-Trichloroethane	7.697	97	203326	49.027	ug/l	100
36) 1,1-Dichloropropene	7.917	75	154716	48.313	ug/l	100
37) Ethyl Acetate	7.063	43	119067	53.887	ug/l	99
38) Carbon Tetrachloride	7.899	117	181541	49.125	ug/l	99
39) Methylcyclohexane	9.185	83	169377	47.671	ug/l	98
40) Benzene	8.155	78	465943	48.931	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	68553m	60.792	ug/l	
42) 1,2-Dichloroethane	8.234	62	167158	49.640	ug/l	100
43) Isopropyl Acetate	8.271	43	189341	48.891	ug/l	98
44) Trichloroethene	8.941	130	122073	47.981	ug/l	94
45) 1,2-Dichloropropane	9.215	63	117010	48.377	ug/l	95
46) Dibromomethane	9.301	93	72458	48.667	ug/l	99
47) Bromodichloromethane	9.496	83	173764	49.845	ug/l	97
48) Methyl methacrylate	9.289	41	90390	50.042	ug/l	99
49) 1,4-Dioxane	9.295	88	20653	1091.701	ug/l #	57
51) 4-Methyl-2-Pentanone	10.069	43	543257	258.204	ug/l	100
52) Toluene	10.240	92	290455	49.204	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	180631	49.220	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	200827	50.156	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	98058	49.655	ug/l	96
56) Ethyl methacrylate	10.508	69	137704	50.555	ug/l	99
57) 1,3-Dichloropropane	10.788	76	166205	49.210	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	332245	270.344	ug/l	99
59) 2-Hexanone	10.831	43	409172	269.260	ug/l	99
60) Dibromochloromethane	10.983	129	129887	51.389	ug/l	99
61) 1,2-Dibromoethane	11.087	107	97810	50.186	ug/l	99
64) Tetrachloroethene	10.721	164	109917	45.782	ug/l	97
65) Chlorobenzene	11.514	112	321351	47.480	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	126308	47.448	ug/l	100
67) Ethyl Benzene	11.593	91	572775	48.348	ug/l	99
68) m/p-Xylenes	11.703	106	444764	97.605	ug/l	98
69) o-Xylene	12.032	106	211900	49.186	ug/l	99
70) Styrene	12.044	104	365331	49.685	ug/l	100
71) Bromoform	12.209	173	88401	48.489	ug/l	99
73) Isopropylbenzene	12.331	105	539917	46.972	ug/l	100
74) N-amyl acetate	12.142	43	177749	48.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	120615	46.961	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	98504m	49.830	ug/l	
77) Bromobenzene	12.611	156	140766	46.595	ug/l	97
78) n-propylbenzene	12.672	91	660749	47.064	ug/l	100
79) 2-Chlorotoluene	12.758	91	378357	46.837	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	464916	47.238	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	45033	49.243	ug/l	99
82) 4-Chlorotoluene	12.855	91	399131	46.625	ug/l	99
83) tert-Butylbenzene	13.075	119	380947	45.548	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	472085	48.457	ug/l	100
85) sec-Butylbenzene	13.257	105	565985	46.546	ug/l	100
86) p-Isopropyltoluene	13.373	119	485529	46.655	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	270361	46.872	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	267254	45.986	ug/l	100
89) n-Butylbenzene	13.696	91	455795	47.222	ug/l	99
90) Hexachloroethane	13.965	117	95277	45.946	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	245486	47.386	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	21926	44.829	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	151498	46.163	ug/l	100
94) Hexachlorobutadiene	15.117	225	84366	44.528	ug/l	99
95) Naphthalene	15.239	128	301110	45.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	133300	44.950	ug/l	98

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

