

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014327.D
 Acq On : 21 Jun 2023 10:29
 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 06/22/2023
 Supervised By :Mahesh Dadoda 06/22/2023

Quant Time: Jun 22 01:55:35 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	7.795	168	223075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	335000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	320864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	148263	47.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.460%		
35) Dibromofluoromethane	7.722	113	128022	53.887	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.780%		
50) Toluene-d8	10.185	98	430556	48.475	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.960%		
62) 4-Bromofluorobenzene	12.483	95	181780	57.614	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	115.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	124053	49.898	ug/l	98
3) Chloromethane	2.119	50	139492	44.250	ug/l	99
4) Vinyl Chloride	2.253	62	143967	46.974	ug/l	98
5) Bromomethane	2.631	94	100561	39.767	ug/l	98
6) Chloroethane	2.790	64	91276	43.828	ug/l	95
7) Trichlorofluoromethane	3.125	101	264687	53.160	ug/l	100
8) Diethyl Ether	3.533	74	84585	50.876	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	139077	55.346	ug/l	99
10) Methyl Iodide	4.094	142	160639	48.412	ug/l	97
11) Tert butyl alcohol	4.960	59	146025	419.991	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	130033	51.053	ug/l	96
13) Acrolein	3.735	56	43397	301.156	ug/l	100
14) Allyl chloride	4.478	41	230344	49.892	ug/l	99
15) Acrylonitrile	5.167	53	272555	317.830	ug/l	100
16) Acetone	3.948	43	285929	305.365	ug/l	98
17) Carbon Disulfide	4.198	76	388595	47.082	ug/l	98
18) Methyl Acetate	4.478	43	220427	60.649	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	411743	54.811	ug/l	100
20) Methylene Chloride	4.716	84	155830	52.293	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	147044	51.761	ug/l	98
22) Diisopropyl ether	6.124	45	471564	53.346	ug/l	95
23) Vinyl Acetate	6.064	43	1484555	284.637	ug/l	99
24) 1,1-Dichloroethane	6.021	63	262644	51.532	ug/l	99
25) 2-Butanone	6.990	43	398098	345.388	ug/l	99
26) 2,2-Dichloropropane	6.984	77	254147	53.091	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	167289	52.641	ug/l	99
28) Bromochloromethane	7.338	49	105150	50.732	ug/l	97
29) Tetrahydrofuran	7.350	42	250423	342.631	ug/l	98
30) Chloroform	7.508	83	285559	52.812	ug/l	97
31) Cyclohexane	7.789	56	225301	54.142	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	265638	54.471	ug/l	99
36) 1,1-Dichloropropene	7.923	75	206463	55.743	ug/l	99
37) Ethyl Acetate	7.076	43	160107	62.650	ug/l	98
38) Carbon Tetrachloride	7.905	117	245952	57.544	ug/l	98
39) Methylcyclohexane	9.191	83	243731	59.310	ug/l	97
40) Benzene	8.167	78	594901	54.015	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	87190m	66.851	ug/l	
42) 1,2-Dichloroethane	8.240	62	211480	54.299	ug/l	98
43) Isopropyl Acetate	8.277	43	274272	61.233	ug/l	98
44) Trichloroethene	8.941	130	163079	55.420	ug/l	99
45) 1,2-Dichloropropane	9.221	63	150646	53.851	ug/l	96
46) Dibromomethane	9.307	93	95823	55.646	ug/l	99
47) Bromodichloromethane	9.502	83	222661	55.224	ug/l	94
48) Methyl methacrylate	9.295	41	132852	63.592	ug/l	97
49) 1,4-Dioxane	9.301	88	31697	1448.633	ug/l #	42
51) 4-Methyl-2-Pentanone	10.075	43	827937	340.232	ug/l	99
52) Toluene	10.246	92	379646	55.606	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	237098	55.860	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	253718	54.787	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	132690	58.095	ug/l	98
56) Ethyl methacrylate	10.514	69	193875	61.540	ug/l	96
57) 1,3-Dichloropropane	10.794	76	221874	56.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	448825	310.951	ug/l	98
59) 2-Hexanone	10.837	43	614384	349.562	ug/l	98
60) Dibromochloromethane	10.989	129	171312	58.602	ug/l	99
61) 1,2-Dibromoethane	11.093	107	131441	58.311	ug/l	99
64) Tetrachloroethene	10.721	164	164944	60.310	ug/l	96
65) Chlorobenzene	11.520	112	409311	53.089	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	163072	53.775	ug/l	99
67) Ethyl Benzene	11.599	91	747521	55.391	ug/l	99
68) m/p-Xylenes	11.709	106	576550	111.071	ug/l	98
69) o-Xylene	12.032	106	272575	55.541	ug/l	100
70) Styrene	12.050	104	471957	56.346	ug/l	99
71) Bromoform	12.209	173	122929	59.192	ug/l	100
73) Isopropylbenzene	12.331	105	731711	53.688	ug/l	100
74) N-amyl acetate	12.148	43	250163	57.922	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	172096	56.511	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	124644m	53.177	ug/l	
77) Bromobenzene	12.611	156	181972	50.800	ug/l	99
78) n-propylbenzene	12.672	91	904336	54.325	ug/l	100
79) 2-Chlorotoluene	12.757	91	505079	52.731	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	628351	53.844	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	63868	58.900	ug/l	100
82) 4-Chlorotoluene	12.855	91	528137	52.032	ug/l	99
83) tert-Butylbenzene	13.081	119	545237	54.980	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	630819	54.608	ug/l	100
85) sec-Butylbenzene	13.257	105	805331	55.856	ug/l	100
86) p-Isopropyltoluene	13.373	119	675484	54.742	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	356003	52.052	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	356320	51.709	ug/l	99
89) n-Butylbenzene	13.696	91	636748	55.636	ug/l	99
90) Hexachloroethane	13.965	117	130978	53.269	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	326914	53.220	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	35021	60.388	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	209543	53.849	ug/l	100
94) Hexachlorobutadiene	15.117	225	121436	54.055	ug/l	98
95) Naphthalene	15.239	128	474851	60.120	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	190286	54.116	ug/l	99

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

