

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015971.D
 Acq On : 13 Oct 2023 20:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/16/2023
 Supervised By :Semsettin Yesilyurt 10/16/2023

Quant Time: Oct 14 01:52:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	210290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	349188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	326884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	165761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	118492	49.372	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.740%		
35) Dibromofluoromethane	7.734	113	107422	48.865	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.740%		
50) Toluene-d8	10.191	98	405289	49.230	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.460%		
62) 4-Bromofluorobenzene	12.489	95	146353	49.925	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	89489	50.858	ug/l	97
3) Chloromethane	2.119	50	130080	47.606	ug/l	98
4) Vinyl Chloride	2.259	62	127412	56.605	ug/l	97
5) Bromomethane	2.668	94	86642	68.052	ug/l	98
6) Chloroethane	2.808	64	79200	54.446	ug/l	98
7) Trichlorofluoromethane	3.131	101	215697	56.496	ug/l	99
8) Diethyl Ether	3.546	74	80727	56.575	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.905	101	115151	53.043	ug/l	94
10) Methyl Iodide	4.101	142	138411	55.446	ug/l	99
11) Tert butyl alcohol	5.070	59	247643m	177.850	ug/l	
12) 1,1-Dichloroethene	3.875	96	111985	54.758	ug/l	93
13) Acrolein	3.753	56	129599	285.918	ug/l	98
14) Allyl chloride	4.491	41	180768	54.700	ug/l	92
15) Acrylonitrile	5.198	53	362287	288.213	ug/l	98
16) Acetone	3.991	43	365521	262.185	ug/l	89
17) Carbon Disulfide	4.198	76	315818	50.524	ug/l	99
18) Methyl Acetate	4.509	43	281714	58.256	ug/l	92
19) Methyl tert-butyl Ether	5.253	73	362794	52.919	ug/l	98
20) Methylene Chloride	4.729	84	138617	52.267	ug/l	92
21) trans-1,2-Dichloroethene	5.235	96	124028	51.885	ug/l	95
22) Diisopropyl ether	6.149	45	374953	54.639	ug/l	97
23) Vinyl Acetate	6.088	43	1217863	269.761	ug/l #	94
24) 1,1-Dichloroethane	6.039	63	215107	52.683	ug/l	97
25) 2-Butanone	7.021	43	542455	267.346	ug/l	95
26) 2,2-Dichloropropane	6.996	77	171157	50.482	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	141263	52.556	ug/l	93
28) Bromochloromethane	7.350	49	95717	52.532	ug/l	95
29) Tetrahydrofuran	7.380	42	467224	335.922	ug/l	95
30) Chloroform	7.521	83	228218	53.851	ug/l	99
31) Cyclohexane	7.801	56	188083	49.230	ug/l	91
32) 1,1,1-Trichloroethane	7.716	97	196919	52.245	ug/l	98
36) 1,1-Dichloropropene	7.935	75	171320	51.649	ug/l	98
37) Ethyl Acetate	7.100	43	340198	66.471	ug/l #	90
38) Carbon Tetrachloride	7.917	117	176870	50.632	ug/l	98
39) Methylcyclohexane	9.197	83	215975	50.750	ug/l	93
40) Benzene	8.173	78	503006	52.411	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	79740	47.253	ug/l #	85
42) 1,2-Dichloroethane	8.252	62	163667	53.147	ug/l	93
43) Isopropyl Acetate	8.295	43	315713	57.420	ug/l	99
44) Trichloroethene	8.953	130	154227	52.146	ug/l	97
45) 1,2-Dichloropropane	9.228	63	129664	52.947	ug/l	98
46) Dibromomethane	9.319	93	92303	53.622	ug/l	96
47) Bromodichloromethane	9.508	83	182684	52.556	ug/l	99
48) Methyl methacrylate	9.307	41	137009	56.414	ug/l #	85
49) 1,4-Dioxane	9.350	88	69857	1455.182	ug/l #	54
51) 4-Methyl-2-Pentanone	10.087	43	1186531	292.822	ug/l	91
52) Toluene	10.258	92	324834	52.938	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	205812	52.807	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	217270	51.859	ug/l	90
55) 1,1,2-Trichloroethane	10.654	97	128408	52.394	ug/l	96
56) Ethyl methacrylate	10.520	69	212955	55.505	ug/l #	86
57) 1,3-Dichloropropane	10.801	76	219518	52.798	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	645973	383.681	ug/l	95
59) 2-Hexanone	10.843	43	1038625	300.277	ug/l	88
60) Dibromochloromethane	10.996	129	148227	53.185	ug/l	99
61) 1,2-Dibromoethane	11.099	107	140671	53.046	ug/l	99
64) Tetrachloroethene	10.734	164	147624	51.806	ug/l	96
65) Chlorobenzene	11.526	112	354436	51.750	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	132835	52.393	ug/l	99
67) Ethyl Benzene	11.605	91	624095	52.113	ug/l	97
68) m/p-Xylenes	11.709	106	483804	104.680	ug/l	95
69) o-Xylene	12.038	106	233670	52.883	ug/l	98
70) Styrene	12.056	104	403721	53.686	ug/l	96
71) Bromoform	12.221	173	115726	53.600	ug/l #	99
73) Isopropylbenzene	12.337	105	604535	51.518	ug/l	100
74) N-amyl acetate	12.154	43	265355	55.975	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.593	83	185634	51.503	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	159962m	49.311	ug/l	
77) Bromobenzene	12.617	156	152398	51.734	ug/l	90
78) n-propylbenzene	12.678	91	734660	51.484	ug/l	100
79) 2-Chlorotoluene	12.764	91	415899	51.530	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	506727	51.978	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	74267	53.931	ug/l	93
82) 4-Chlorotoluene	12.861	91	431728	52.047	ug/l	99
83) tert-Butylbenzene	13.081	119	446701	52.145	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	508648	51.977	ug/l	98
85) sec-Butylbenzene	13.264	105	651165	51.218	ug/l	100
86) p-Isopropyltoluene	13.379	119	545967	51.389	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	288053	50.919	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	292239	51.156	ug/l	99
89) n-Butylbenzene	13.703	91	505869	50.635	ug/l	96
90) Hexachloroethane	13.971	117	103955	51.052	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	275186	51.846	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	57271	55.545	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	171801	49.245	ug/l	98
94) Hexachlorobutadiene	15.117	225	82464	46.554	ug/l	98
95) Naphthalene	15.245	128	636917	56.275	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	164256	49.110	ug/l	98

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

