

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015332.D
 Acq On : 25 Aug 2023 10:30
 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 :Mahesh Dadoda 08/28/2023
 Supervised By :Semsettin Yesilyurt 08/28/2023

Quant Time: Aug 25 13:44:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	169303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	279156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	255873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115996	57.076	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.160%			
35) Dibromofluoromethane	7.716	113	102611	57.136	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.280%			
50) Toluene-d8	10.179	98	360595	53.938	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.880%			
62) 4-Bromofluorobenzene	12.483	95	137128	56.158	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32346	44.012	ug/l	95
3) Chloromethane	2.107	50	48531	47.833	ug/l	99
4) Vinyl Chloride	2.247	62	61338	45.530	ug/l	94
5) Bromomethane	2.644	94	44998	47.343	ug/l	100
6) Chloroethane	2.784	64	50071	51.192	ug/l	97
7) Trichlorofluoromethane	3.119	101	112435	49.530	ug/l	96
8) Diethyl Ether	3.528	74	48486	54.462	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	69008	48.913	ug/l	98
10) Methyl Iodide	4.088	142	70143	50.632	ug/l	97
11) Tert butyl alcohol	4.985	59	98020	295.924	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	56370	47.849	ug/l	92
13) Acrolein	3.729	56	27040	197.534	ug/l	98
14) Allyl chloride	4.472	41	101815	48.746	ug/l	97
15) Acrylonitrile	5.161	53	177316	293.896	ug/l	99
16) Acetone	3.954	43	195568	294.562	ug/l	94
17) Carbon Disulfide	4.186	76	86602	41.771	ug/l	99
18) Methyl Acetate	4.479	43	146281	60.123	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	281287	56.154	ug/l	100
20) Methylene Chloride	4.710	84	86555	54.787	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	65805	49.520	ug/l	96
22) Diisopropyl ether	6.119	45	276054	52.967	ug/l	94
23) Vinyl Acetate	6.058	43	833922	268.154	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	147569	52.299	ug/l	97
25) 2-Butanone	6.990	43	273956	291.426	ug/l	95
26) 2,2-Dichloropropane	6.978	77	131800	48.454	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	95592	52.661	ug/l	95
28) Bromochloromethane	7.332	49	63714	49.149	ug/l	92
29) Tetrahydrofuran	7.350	42	161732	287.729	ug/l	90
30) Chloroform	7.502	83	171090	54.089	ug/l	95
31) Cyclohexane	7.783	56	87654	48.194	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	140629	52.246	ug/l	99
36) 1,1-Dichloropropene	7.917	75	95977	48.306	ug/l	99
37) Ethyl Acetate	7.076	43	105511	56.972	ug/l #	95
38) Carbon Tetrachloride	7.905	117	116677	49.620	ug/l	97
39) Methylcyclohexane	9.185	83	102699	46.109	ug/l	95
40) Benzene	8.161	78	306320	50.994	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	50328m	52.701	ug/l	
42) 1,2-Dichloroethane	8.234	62	120328	55.157	ug/l	96
43) Isopropyl Acetate	8.277	43	188378	55.856	ug/l	98
44) Trichloroethene	8.941	130	88430	51.099	ug/l	98
45) 1,2-Dichloropropane	9.216	63	88812	52.432	ug/l	97
46) Dibromomethane	9.307	93	58200	54.478	ug/l	98
47) Bromodichloromethane	9.496	83	140956	55.292	ug/l	100
48) Methyl methacrylate	9.295	41	84818	58.791	ug/l	94
49) 1,4-Dioxane	9.313	88	25874	1211.163	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	597167	305.519	ug/l	94
52) Toluene	10.246	92	204286	51.597	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	145389	54.266	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	150860	53.466	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	90921	55.972	ug/l	94
56) Ethyl methacrylate	10.514	69	135853	57.146	ug/l	90
57) 1,3-Dichloropropane	10.788	76	147855	55.712	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	272834	246.608	ug/l	94
59) 2-Hexanone	10.831	43	450787	311.616	ug/l	92
60) Dibromochloromethane	10.983	129	111350	57.465	ug/l	99
61) 1,2-Dibromoethane	11.093	107	87299	56.572	ug/l	98
64) Tetrachloroethene	10.721	164	96098	53.907	ug/l	98
65) Chlorobenzene	11.514	112	244429	52.429	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	103860	54.905	ug/l	100
67) Ethyl Benzene	11.593	91	419655	51.376	ug/l	99
68) m/p-Xylenes	11.703	106	313681	101.111	ug/l	98
69) o-Xylene	12.032	106	162465	52.569	ug/l	98
70) Styrene	12.044	104	285670	53.407	ug/l	97
71) Bromoform	12.209	173	78855	57.505	ug/l #	99
73) Isopropylbenzene	12.331	105	437139	50.651	ug/l	100
74) N-amyl acetate	12.148	43	168886	54.200	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	127396	56.678	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	105268m	64.558	ug/l	
77) Bromobenzene	12.611	156	108616	51.632	ug/l	96
78) n-propylbenzene	12.672	91	509533	49.718	ug/l	100
79) 2-Chlorotoluene	12.758	91	297871	50.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	362889	50.443	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	40380	54.394	ug/l	98
82) 4-Chlorotoluene	12.855	91	307080	50.276	ug/l	99
83) tert-Butylbenzene	13.075	119	336524	51.142	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	366943	51.045	ug/l	99
85) sec-Butylbenzene	13.251	105	485764	50.384	ug/l	100
86) p-Isopropyltoluene	13.373	119	403729	50.507	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	215206	51.577	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	217190	51.897	ug/l	99
89) n-Butylbenzene	13.696	91	375559	49.830	ug/l	97
90) Hexachloroethane	13.965	117	77580	48.922	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	207546	53.246	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26363	60.546	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	134941	53.924	ug/l	98
94) Hexachlorobutadiene	15.111	225	67727	49.755	ug/l	99
95) Naphthalene	15.239	128	384120	61.620	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	127252	56.307	ug/l	99

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

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