

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
 Data File : VY016034.D
 Acq On : 19 Oct 2023 11:51
 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 10/20/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 20 05:34:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	212808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	334796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	305680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	99329	41.067	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.140%		
35) Dibromofluoromethane	7.716	113	92946	42.178	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.360%		
50) Toluene-d8	10.179	98	346952	43.351	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.700%		
62) 4-Bromofluorobenzene	12.483	95	124124	43.465	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	81540	46.360	ug/l	98
3) Chloromethane	2.113	50	104776	47.179	ug/l	99
4) Vinyl Chloride	2.253	62	114527	45.950	ug/l	97
5) Bromomethane	2.662	94	79737	43.856	ug/l	99
6) Chloroethane	2.796	64	75539	47.132	ug/l	98
7) Trichlorofluoromethane	3.125	101	199970	52.719	ug/l	99
8) Diethyl Ether	3.533	74	69709	52.018	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	105821	48.499	ug/l	95
10) Methyl Iodide	4.088	142	131496	46.154	ug/l	98
11) Tert butyl alcohol	5.058	59	127515m	341.526	ug/l	
12) 1,1-Dichloroethene	3.863	96	100928	49.437	ug/l	94
13) Acrolein	3.741	56	86746	323.251	ug/l	98
14) Allyl chloride	4.478	41	150673	47.199	ug/l	93
15) Acrylonitrile	5.180	53	226469	283.275	ug/l	98
16) Acetone	3.985	43	269145	300.189	ug/l	93
17) Carbon Disulfide	4.186	76	276788	46.278	ug/l	100
18) Methyl Acetate	4.497	43	163548	52.998	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	304678	46.260	ug/l	99
20) Methylene Chloride	4.716	84	115055	43.196	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	110317	46.402	ug/l	95
22) Diisopropyl ether	6.124	45	319204	45.921	ug/l	98
23) Vinyl Acetate	6.064	43	1033208	239.619	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	190301	46.147	ug/l	97
25) 2-Butanone	7.002	43	332499	270.746	ug/l	95
26) 2,2-Dichloropropane	6.978	77	167194	45.062	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	123264	45.020	ug/l	93
28) Bromochloromethane	7.338	49	88469	50.163	ug/l	90
29) Tetrahydrofuran	7.362	42	222327	299.085	ug/l	90
30) Chloroform	7.508	83	200554	45.358	ug/l	96
31) Cyclohexane	7.783	56	167228	44.173	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	181843	45.964	ug/l	98
36) 1,1-Dichloropropene	7.917	75	153439	46.281	ug/l	98
37) Ethyl Acetate	7.088	43	113703m	47.578	ug/l	
38) Carbon Tetrachloride	7.899	117	165097	46.852	ug/l	99
39) Methylcyclohexane	9.185	83	191057	46.112	ug/l	93
40) Benzene	8.161	78	436038	46.664	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	62145	50.127	ug/l	92
42) 1,2-Dichloroethane	8.240	62	139352	46.297	ug/l	93
43) Isopropyl Acetate	8.277	43	223462	53.482	ug/l	96
44) Trichloroethene	8.941	130	130262	49.719	ug/l	95
45) 1,2-Dichloropropane	9.215	63	111088	47.504	ug/l	99
46) Dibromomethane	9.307	93	74370	47.904	ug/l	97
47) Bromodichloromethane	9.496	83	159775	46.956	ug/l	97
48) Methyl methacrylate	9.295	41	99135	52.124	ug/l	88
49) 1,4-Dioxane	9.362	88	24626m	996.163	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	878682	365.698	ug/l	92
52) Toluene	10.246	92	285376	47.086	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	180719	49.028	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	193858	48.248	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	110118	51.629	ug/l	96
56) Ethyl methacrylate	10.514	69	174189	55.883	ug/l	87
57) 1,3-Dichloropropane	10.788	76	183062	50.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	420103	280.595	ug/l	93
59) 2-Hexanone	10.837	43	726641	397.491	ug/l	89
60) Dibromochloromethane	10.983	129	130566	50.618	ug/l	99
61) 1,2-Dibromoethane	11.093	107	116106	53.490	ug/l	100
64) Tetrachloroethene	10.721	164	118014	49.788	ug/l	97
65) Chlorobenzene	11.520	112	307775	46.491	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	117397	47.048	ug/l	98
67) Ethyl Benzene	11.593	91	552647	47.177	ug/l	99
68) m/p-Xylenes	11.703	106	426602	93.389	ug/l	94
69) o-Xylene	12.032	106	202650	46.632	ug/l	98
70) Styrene	12.044	104	349119	47.136	ug/l	96
71) Bromoform	12.209	173	95993	54.673	ug/l #	100
73) Isopropylbenzene	12.331	105	536806	46.324	ug/l	99
74) N-amyl acetate	12.148	43	214687	58.655	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	159377	54.912	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	118335m	53.950	ug/l	
77) Bromobenzene	12.611	156	131230	46.657	ug/l	91
78) n-propylbenzene	12.672	91	643902	46.132	ug/l	99
79) 2-Chlorotoluene	12.757	91	361901	46.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	443931	46.250	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	62085	61.787	ug/l	93
82) 4-Chlorotoluene	12.855	91	376671	46.067	ug/l	99
83) tert-Butylbenzene	13.074	119	380880	45.254	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	439157	46.074	ug/l	97
85) sec-Butylbenzene	13.257	105	574023	45.665	ug/l	99
86) p-Isopropyltoluene	13.373	119	476919	45.400	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	253535	46.328	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	252209	45.773	ug/l	100
89) n-Butylbenzene	13.696	91	443126	45.313	ug/l	97
90) Hexachloroethane	13.965	117	91508	45.697	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	236043	46.978	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	39835	72.102	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	147750	46.159	ug/l	99
94) Hexachlorobutadiene	15.111	225	73863	42.485	ug/l	98
95) Naphthalene	15.239	128	460027	58.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	138878	47.500	ug/l	99

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

