

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016752.D
 Acq On : 21 Dec 2023 09:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

Quant Time: Dec 21 14:21:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	155949	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	268721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	230909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	99909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	66465	46.686	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.380%		
35) Dibromofluoromethane	7.746	113	68847	44.726	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.460%		
50) Toluene-d8	10.197	98	248749	44.828	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.660%		
62) 4-Bromofluorobenzene	12.495	95	81281	45.149	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	52127	39.113	ug/l	96
3) Chloromethane	2.131	50	83723	40.869	ug/l	96
4) Vinyl Chloride	2.266	62	98146	42.416	ug/l	98
5) Bromomethane	2.674	94	68727	41.702	ug/l	98
6) Chloroethane	2.814	64	65985	42.084	ug/l	99
7) Trichlorofluoromethane	3.150	101	113823	42.227	ug/l	99
8) Diethyl Ether	3.552	74	38296	44.412	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.924	101	69719	42.164	ug/l	99
10) Methyl Iodide	4.119	142	73217	42.493	ug/l	99
11) Tert butyl alcohol	4.991	59	25273	216.515	ug/l	100
12) 1,1-Dichloroethene	3.899	96	65811	44.701	ug/l	98
13) Acrolein	3.753	56	21103	234.317	ug/l	97
14) Allyl chloride	4.509	41	103749	46.009	ug/l	99
15) Acrylonitrile	5.198	53	85658	234.572	ug/l	99
16) Acetone	3.973	43	89523	232.545	ug/l	99
17) Carbon Disulfide	4.229	76	181735	45.367	ug/l	99
18) Methyl Acetate	4.509	43	74527	49.537	ug/l	99
19) Methyl tert-butyl Ether	5.259	73	169322	44.698	ug/l	98
20) Methylene Chloride	4.753	84	80466	40.545	ug/l	99
21) trans-1,2-Dichloroethene	5.259	96	76713	45.687	ug/l	97
22) Diisopropyl ether	6.149	45	237600	46.573	ug/l	98
23) Vinyl Acetate	6.094	43	542690	224.917	ug/l	100
24) 1,1-Dichloroethane	6.051	63	137280	44.795	ug/l	99
25) 2-Butanone	7.015	43	123003	232.066	ug/l	96
26) 2,2-Dichloropropane	7.015	77	116978	43.741	ug/l	100
27) cis-1,2-Dichloroethene	7.015	96	87182	45.115	ug/l	98
28) Bromochloromethane	7.362	49	60413	49.807	ug/l	99
29) Tetrahydrofuran	7.374	42	69987	241.483	ug/l	98
30) Chloroform	7.533	83	139748	44.545	ug/l	99
31) Cyclohexane	7.813	56	117029	42.905	ug/l	99
32) 1,1,1-Trichloroethane	7.728	97	119608	43.433	ug/l	99
36) 1,1-Dichloropropene	7.941	75	106080	42.987	ug/l	100
37) Ethyl Acetate	7.100	43	47602	45.004	ug/l	99
38) Carbon Tetrachloride	7.929	117	103742	42.484	ug/l	99
39) Methylcyclohexane	9.203	83	127083	44.603	ug/l	98
40) Benzene	8.185	78	316210	44.033	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	23668	42.145	ug/l #	84
42) 1,2-Dichloroethane	8.258	62	83821	44.740	ug/l	100
43) Isopropyl Acetate	8.295	43	91530	44.554	ug/l	100
44) Trichloroethene	8.960	130	78978	43.090	ug/l	99
45) 1,2-Dichloropropane	9.234	63	78248	43.438	ug/l	100
46) Dibromomethane	9.325	93	41206	44.279	ug/l	98
47) Bromodichloromethane	9.514	83	107015	43.630	ug/l	97
48) Methyl methacrylate	9.313	41	51023	44.689	ug/l	96
49) 1,4-Dioxane	9.319	88	8536	945.053	ug/l	94
51) 4-Methyl-2-Pentanone	10.087	43	247069	225.721	ug/l	99
52) Toluene	10.264	92	192585	44.751	ug/l	100
53) t-1,3-Dichloropropene	10.484	75	100230	44.815	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	120270	44.582	ug/l	96
55) 1,1,2-Trichloroethane	10.660	97	58362	43.956	ug/l	98
56) Ethyl methacrylate	10.526	69	53868	46.138	ug/l	99
57) 1,3-Dichloropropane	10.807	76	100827	44.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	195399	311.106	ug/l	99
59) 2-Hexanone	10.849	43	181761	222.697	ug/l	100
60) Dibromochloromethane	11.002	129	67284	43.806	ug/l	100
61) 1,2-Dibromoethane	11.105	107	52448	44.048	ug/l	100
64) Tetrachloroethene	10.740	164	60503	42.180	ug/l	98
65) Chlorobenzene	11.532	112	195901	43.181	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	72930	42.726	ug/l	100
67) Ethyl Benzene	11.611	91	367438	44.003	ug/l	99
68) m/p-Xylenes	11.721	106	268582	87.103	ug/l	98
69) o-Xylene	12.044	106	124814	44.122	ug/l	99
70) Styrene	12.063	104	185871	44.403	ug/l	100
71) Bromoform	12.227	173	36433	42.812	ug/l #	98
73) Isopropylbenzene	12.343	105	340175	43.718	ug/l	100
74) N-amyl acetate	12.160	43	69762	42.721	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.599	83	66339	42.664	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	42660m	38.626	ug/l	
77) Bromobenzene	12.623	156	71344	42.029	ug/l	98
78) n-propylbenzene	12.684	91	412098	43.713	ug/l	99
79) 2-Chlorotoluene	12.770	91	224590	43.053	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	270917	43.985	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	19367	41.181	ug/l	97
82) 4-Chlorotoluene	12.867	91	227505	42.511	ug/l	99
83) tert-Butylbenzene	13.087	119	238898	44.590	ug/l	100
84) 1,2,4-Trimethylbenzene	13.136	105	266285	43.844	ug/l	99
85) sec-Butylbenzene	13.270	105	343827	43.328	ug/l	99
86) p-Isopropyltoluene	13.386	119	283873	42.955	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	137984	41.594	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	134469	41.512	ug/l	98
89) n-Butylbenzene	13.709	91	272375	43.115	ug/l	100
90) Hexachloroethane	13.977	117	56368	40.962	ug/l	99
91) 1,2-Dichlorobenzene	13.757	146	118728	42.011	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.373	75	7990	39.641	ug/l	99
93) 1,2,4-Trichlorobenzene	15.019	180	60660	40.451	ug/l	98
94) Hexachlorobutadiene	15.123	225	34477	40.479	ug/l	97
95) Naphthalene	15.251	128	112283	35.876	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	49438	38.710	ug/l	98

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

