

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072723\
 Data File : VY014895.D
 Acq On : 27 Jul 2023 20:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/28/2023

Quant Time: Jul 28 02:39:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	188892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	323851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	297369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100546	46.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.420%		
35) Dibromofluoromethane	7.710	113	90487	43.893	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.780%		
50) Toluene-d8	10.173	98	322522	42.434	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.860%		
62) 4-Bromofluorobenzene	12.477	95	121291	41.619	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	59175	38.452	ug/l	99
3) Chloromethane	2.107	50	94129	54.413	ug/l	96
4) Vinyl Chloride	2.241	62	108365	56.050	ug/l	97
5) Bromomethane	2.625	94	87292	68.322	ug/l	98
6) Chloroethane	2.778	64	74803	61.941	ug/l	98
7) Trichlorofluoromethane	3.107	101	154969	47.726	ug/l	98
8) Diethyl Ether	3.521	74	62894	52.059	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	90689	45.567	ug/l	96
10) Methyl Iodide	4.082	142	73933	35.752	ug/l	98
11) Tert butyl alcohol	4.948	59	112962	254.878	ug/l #	83
12) 1,1-Dichloroethene	3.857	96	86664	46.591	ug/l	91
13) Acrolein	3.717	56	38416	170.754	ug/l	99
14) Allyl chloride	4.466	41	140468	42.531	ug/l	97
15) Acrylonitrile	5.149	53	196205	294.509	ug/l	99
16) Acetone	3.942	43	160649	235.521	ug/l	94
17) Carbon Disulfide	4.180	76	212373	39.879	ug/l	98
18) Methyl Acetate	4.466	43	173690	66.355	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	322632	53.395	ug/l	98
20) Methylene Chloride	4.698	84	120082	54.579	ug/l	88
21) trans-1,2-Dichloroethene	5.204	96	100073	47.407	ug/l	96
22) Diisopropyl ether	6.106	45	333439	49.658	ug/l	93
23) Vinyl Acetate	6.045	43	960808	239.109	ug/l	96
24) 1,1-Dichloroethane	6.003	63	189089	49.215	ug/l	97
25) 2-Butanone	6.978	43	276108	276.687	ug/l	96
26) 2,2-Dichloropropane	6.972	77	133720	36.519	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	125736	51.173	ug/l	92
28) Bromochloromethane	7.326	49	79353	47.956	ug/l	93
29) Tetrahydrofuran	7.338	42	185211	301.418	ug/l	92
30) Chloroform	7.496	83	205173	51.786	ug/l	96
31) Cyclohexane	7.777	56	141205	39.518	ug/l	90
32) 1,1,1-Trichloroethane	7.691	97	173873	48.761	ug/l	99
36) 1,1-Dichloropropene	7.911	75	140503	45.573	ug/l	100
37) Ethyl Acetate	7.063	43	115735	54.524	ug/l	96
38) Carbon Tetrachloride	7.893	117	151882	46.604	ug/l	98
39) Methylcyclohexane	9.179	83	164139	40.866	ug/l	94
40) Benzene	8.155	78	424313	48.392	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	62512m	57.256	ug/l	
42) 1,2-Dichloroethane	8.228	62	146383	52.719	ug/l	96
43) Isopropyl Acetate	8.265	43	211819	52.386	ug/l	97
44) Trichloroethene	8.935	130	119541	48.727	ug/l	94
45) 1,2-Dichloropropane	9.209	63	109331	47.752	ug/l	99
46) Dibromomethane	9.301	93	73000	52.557	ug/l	96
47) Bromodichloromethane	9.490	83	166112	50.742	ug/l	98
48) Methyl methacrylate	9.289	41	97052	53.342	ug/l	94
49) 1,4-Dioxane	9.295	88	28351	1251.787	ug/l #	54
51) 4-Methyl-2-Pentanone	10.063	43	619440	291.779	ug/l	94
52) Toluene	10.240	92	273145	48.682	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	163707	45.717	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	177395	45.555	ug/l	94
55) 1,1,2-Trichloroethane	10.636	97	104292	53.903	ug/l	97
56) Ethyl methacrylate	10.502	69	154376	52.258	ug/l	90
57) 1,3-Dichloropropane	10.782	76	173786	52.077	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	325498	236.477	ug/l	93
59) 2-Hexanone	10.825	43	452831	292.490	ug/l	92
60) Dibromochloromethane	10.977	129	123666	52.132	ug/l	99
61) 1,2-Dibromoethane	11.081	107	102153	52.925	ug/l	100
64) Tetrachloroethene	10.715	164	128642	53.788	ug/l	97
65) Chlorobenzene	11.514	112	305531	48.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	119514	50.021	ug/l	99
67) Ethyl Benzene	11.587	91	535563	46.810	ug/l	99
68) m/p-Xylenes	11.697	106	407721	93.355	ug/l	96
69) o-Xylene	12.026	106	201949	47.474	ug/l	99
70) Styrene	12.038	104	349303	48.720	ug/l	98
71) Bromoform	12.203	173	85119	52.558	ug/l #	99
73) Isopropylbenzene	12.325	105	524589	43.605	ug/l	99
74) N-amyl acetate	12.136	43	184746	45.852	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	135441	49.369	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	108361m	55.842	ug/l	
77) Bromobenzene	12.605	156	131011	47.707	ug/l	98
78) n-propylbenzene	12.666	91	630251	43.475	ug/l	100
79) 2-Chlorotoluene	12.751	91	365393	43.760	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	440580	43.851	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	38606	38.520	ug/l	97
82) 4-Chlorotoluene	12.849	91	379607	44.143	ug/l	100
83) tert-Butylbenzene	13.069	119	386252	43.338	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	445643	45.197	ug/l	98
85) sec-Butylbenzene	13.245	105	571660	43.725	ug/l	100
86) p-Isopropyltoluene	13.361	119	480857	45.047	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	254314	47.583	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	255766	47.755	ug/l	99
89) n-Butylbenzene	13.690	91	448365	43.173	ug/l	96
90) Hexachloroethane	13.953	117	95066	43.359	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	239784	48.968	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	27575	52.558	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	154487	49.699	ug/l	99
94) Hexachlorobutadiene	15.105	225	78280	45.826	ug/l	99
95) Naphthalene	15.227	128	398404	55.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	142247	51.490	ug/l	99

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

