

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014762.D
 Acq On : 24 Jul 2023 10:39
 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 07/25/2023
 Supervised By : Mahesh Dadoda 07/25/2023

Quant Time: Jul 24 13:00:08 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	253560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	417427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	368479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	183898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	145966	50.517	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.040%			
35) Dibromofluoromethane	7.710	113	133832	50.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.740%			
50) Toluene-d8	10.179	98	476582	48.647	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.300%			
62) 4-Bromofluorobenzene	12.477	95	175770	46.792	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	81085	39.251	ug/l	99
3) Chloromethane	2.107	50	115328	49.664	ug/l	97
4) Vinyl Chloride	2.247	62	128886	49.663	ug/l	94
5) Bromomethane	2.644	94	78093	45.533	ug/l	99
6) Chloroethane	2.784	64	85083	52.485	ug/l	99
7) Trichlorofluoromethane	3.113	101	198654	45.576	ug/l	98
8) Diethyl Ether	3.528	74	76529	47.189	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	119161	44.603	ug/l	95
10) Methyl Iodide	4.082	142	141321	49.905	ug/l	96
11) Tert butyl alcohol	4.966	59	134789	222.886	ug/l #	83
12) 1,1-Dichloroethene	3.863	96	111465	44.641	ug/l	92
13) Acrolein	3.723	56	59497	197.010	ug/l	99
14) Allyl chloride	4.473	41	190325	42.930	ug/l	96
15) Acrylonitrile	5.155	53	237836	265.950	ug/l	99
16) Acetone	3.948	43	244015	266.503	ug/l	94
17) Carbon Disulfide	4.186	76	294178	41.152	ug/l	99
18) Methyl Acetate	4.473	43	191404	54.473	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	402880	49.671	ug/l	99
20) Methylene Chloride	4.710	84	147756	49.645	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	127093	44.852	ug/l	95
22) Diisopropyl ether	6.112	45	413858	45.915	ug/l	93
23) Vinyl Acetate	6.051	43	1309753	242.818	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	235437	45.650	ug/l	96
25) 2-Butanone	6.984	43	360745	269.304	ug/l	96
26) 2,2-Dichloropropane	6.978	77	215857	43.915	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	154743	46.916	ug/l	94
28) Bromochloromethane	7.326	49	104695	47.134	ug/l	93
29) Tetrahydrofuran	7.344	42	225076	272.875	ug/l	92
30) Chloroform	7.502	83	251181	47.229	ug/l	97
31) Cyclohexane	7.777	56	189105	39.426	ug/l	92
32) 1,1,1-Trichloroethane	7.691	97	220658	46.099	ug/l	99
36) 1,1-Dichloropropene	7.911	75	178519	44.924	ug/l	99
37) Ethyl Acetate	7.070	43	148158	54.152	ug/l #	95
38) Carbon Tetrachloride	7.893	117	195067	46.437	ug/l	98
39) Methylcyclohexane	9.179	83	217989	42.106	ug/l	95
40) Benzene	8.155	78	520708	46.073	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	70426	50.045	ug/l	97
42) 1,2-Dichloroethane	8.234	62	173730	48.542	ug/l	95
43) Isopropyl Acetate	8.271	43	268921	51.599	ug/l	97
44) Trichloroethene	8.935	130	146928	46.465	ug/l	96
45) 1,2-Dichloropropane	9.209	63	135427	45.890	ug/l	98
46) Dibromomethane	9.301	93	87406	48.822	ug/l	97
47) Bromodichloromethane	9.490	83	201744	47.811	ug/l	100
48) Methyl methacrylate	9.289	41	120614	51.431	ug/l	92
49) 1,4-Dioxane	9.307	88	31424	1076.436	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	761846	278.411	ug/l	94
52) Toluene	10.240	92	333743	46.148	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	217720	47.171	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	232479	46.318	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	124192	49.799	ug/l	96
56) Ethyl methacrylate	10.508	69	191935	50.407	ug/l	91
57) 1,3-Dichloropropane	10.788	76	209443	48.692	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	460599	259.615	ug/l	93
59) 2-Hexanone	10.831	43	563362	282.311	ug/l	92
60) Dibromochloromethane	10.984	129	151159	49.437	ug/l	99
61) 1,2-Dibromoethane	11.087	107	123319	49.568	ug/l	99
64) Tetrachloroethene	10.715	164	140100	47.274	ug/l	98
65) Chlorobenzene	11.514	112	367224	46.767	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	144473	48.798	ug/l	98
67) Ethyl Benzene	11.587	91	649969	45.846	ug/l	100
68) m/p-Xylenes	11.697	106	497893	92.002	ug/l	97
69) o-Xylene	12.026	106	244296	46.346	ug/l	98
70) Styrene	12.038	104	417869	47.036	ug/l	97
71) Bromoform	12.203	173	105605	52.624	ug/l #	99
73) Isopropylbenzene	12.325	105	639874	44.438	ug/l	100
74) N-amyl acetate	12.142	43	237812	49.312	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	162704	49.549	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	120444m	51.858	ug/l	
77) Bromobenzene	12.605	156	153901	46.823	ug/l	95
78) n-propylbenzene	12.672	91	765720	44.130	ug/l	100
79) 2-Chlorotoluene	12.752	91	441025	44.129	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	536986	44.654	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	58062	48.402	ug/l	95
82) 4-Chlorotoluene	12.855	91	455952	44.298	ug/l	100
83) tert-Butylbenzene	13.075	119	477165	44.731	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	528410	44.774	ug/l	99
85) sec-Butylbenzene	13.251	105	696000	44.477	ug/l	99
86) p-Isopropyltoluene	13.367	119	577479	45.199	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	298219	46.618	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	298583	46.578	ug/l	99
89) n-Butylbenzene	13.696	91	544278	43.787	ug/l	96
90) Hexachloroethane	13.959	117	116292	44.314	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	273202	46.614	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	32731	52.122	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	175289	47.114	ug/l	98
94) Hexachlorobutadiene	15.111	225	91388	44.698	ug/l	97
95) Naphthalene	15.233	128	448945	51.794	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	159429	48.216	ug/l	99

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

