

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014661.D
 Acq On : 14 Jul 2023 20:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Quant Time: Jul 14 23:18:05 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	7.789	168	292433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	493794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	443140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	218276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	184900	55.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.980%			
35) Dibromofluoromethane	7.716	113	165272	52.578	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.160%			
50) Toluene-d8	10.179	98	593520	51.214	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.420%			
62) 4-Bromofluorobenzene	12.477	95	227922	51.292	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	115219	48.361	ug/l	99
3) Chloromethane	2.107	50	147295	54.999	ug/l	99
4) Vinyl Chloride	2.247	62	161983	54.119	ug/l	97
5) Bromomethane	2.638	94	113718	57.491	ug/l	96
6) Chloroethane	2.784	64	106504	56.965	ug/l	98
7) Trichlorofluoromethane	3.113	101	265777	52.871	ug/l	98
8) Diethyl Ether	3.521	74	105298	56.298	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.887	101	158369	51.399	ug/l	96
10) Methyl Iodide	4.082	142	176721	53.910	ug/l	97
11) Tert butyl alcohol	4.954	59	154551	221.417	ug/l #	79
12) 1,1-Dichloroethene	3.863	96	150141	52.137	ug/l	94
13) Acrolein	3.723	56	80575	231.338	ug/l	99
14) Allyl chloride	4.473	41	271731	53.144	ug/l	95
15) Acrylonitrile	5.155	53	313958	304.402	ug/l	98
16) Acetone	3.942	43	253025	239.609	ug/l	95
17) Carbon Disulfide	4.186	76	412087	49.983	ug/l	99
18) Methyl Acetate	4.473	43	283151	69.872	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	546345	58.405	ug/l	99
20) Methylene Chloride	4.710	84	184915	54.264	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	174625	53.434	ug/l	98
22) Diisopropyl ether	6.112	45	589009	56.661	ug/l	93
23) Vinyl Acetate	6.058	43	1696672	272.737	ug/l	95
24) 1,1-Dichloroethane	6.015	63	331537	55.738	ug/l	97
25) 2-Butanone	6.978	43	436604	282.608	ug/l	97
26) 2,2-Dichloropropane	6.978	77	249243	43.967	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	211998	55.731	ug/l	95
28) Bromochloromethane	7.332	49	136923	53.449	ug/l	95
29) Tetrahydrofuran	7.344	42	294188	309.253	ug/l	95
30) Chloroform	7.502	83	346085	56.424	ug/l	96
31) Cyclohexane	7.783	56	267817	48.414	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	301978	54.702	ug/l	99
36) 1,1-Dichloropropene	7.917	75	244615	52.037	ug/l	99
37) Ethyl Acetate	7.070	43	186841	57.729	ug/l #	96
38) Carbon Tetrachloride	7.899	117	265209	53.371	ug/l	99
39) Methylcyclohexane	9.179	83	302549	49.402	ug/l	97
40) Benzene	8.155	78	717870	53.695	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	89109m	53.528	ug/l	
42) 1,2-Dichloroethane	8.234	62	244249	57.691	ug/l	95
43) Isopropyl Acetate	8.271	43	367837	59.663	ug/l	99
44) Trichloroethene	8.941	130	200475	53.594	ug/l	98
45) 1,2-Dichloropropane	9.216	63	191398	54.825	ug/l	98
46) Dibromomethane	9.301	93	117919	55.679	ug/l	96
47) Bromodichloromethane	9.496	83	279930	56.081	ug/l	99
48) Methyl methacrylate	9.289	41	161307	58.146	ug/l	95
49) 1,4-Dioxane	9.301	88	42391	1227.539	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	971989	300.272	ug/l	94
52) Toluene	10.240	92	458446	53.588	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	290762	53.254	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	310683	52.326	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	169426	57.431	ug/l	96
56) Ethyl methacrylate	10.508	69	256435	56.931	ug/l	92
57) 1,3-Dichloropropane	10.788	76	286182	56.243	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	560979	267.293	ug/l	95
59) 2-Hexanone	10.831	43	702585	297.628	ug/l	94
60) Dibromochloromethane	10.984	129	200752	55.502	ug/l	98
61) 1,2-Dibromoethane	11.087	107	166660	56.629	ug/l	100
64) Tetrachloroethene	10.715	164	194466	54.564	ug/l	96
65) Chlorobenzene	11.514	112	501277	53.083	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	193920	54.464	ug/l	99
67) Ethyl Benzene	11.593	91	908276	53.272	ug/l	99
68) m/p-Xylenes	11.703	106	690807	106.142	ug/l	98
69) o-Xylene	12.026	106	338740	53.436	ug/l	99
70) Styrene	12.044	104	575134	53.830	ug/l	99
71) Bromoform	12.209	173	139136	57.651	ug/l #	99
73) Isopropylbenzene	12.331	105	879040	51.433	ug/l	99
74) N-amyl acetate	12.142	43	312209	54.543	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	213272	54.720	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	158623m	57.540	ug/l	
77) Bromobenzene	12.605	156	209794	53.775	ug/l	93
78) n-propylbenzene	12.672	91	1073100	52.105	ug/l	99
79) 2-Chlorotoluene	12.758	91	624874	52.677	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	762140	53.395	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	71848	50.462	ug/l	93
82) 4-Chlorotoluene	12.855	91	637853	52.210	ug/l	99
83) tert-Butylbenzene	13.075	119	653504	51.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	823837	58.813	ug/l	99
85) sec-Butylbenzene	13.251	105	951242	51.214	ug/l	99
86) p-Isopropyltoluene	13.367	119	789082	52.034	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	406180	53.494	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	406442	53.417	ug/l	98
89) n-Butylbenzene	13.696	91	772354	52.349	ug/l	95
90) Hexachloroethane	13.959	117	163424	52.466	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	374722	53.865	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	44504	59.708	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	239821	54.307	ug/l	97
94) Hexachlorobutadiene	15.111	225	130253	53.674	ug/l	98
95) Naphthalene	15.233	128	666049	64.738	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	219800	56.004	ug/l	98

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

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