

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014665.D
 Acq On : 17 Jul 2023 12:23
 Operator : SY/MD
 Sample : VY0717SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0717SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 06:07:20 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	290646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	486967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	431608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	217159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	169961	51.316	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.640%	
35) Dibromofluoromethane	7.710	113	155036	50.013	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.020%	
50) Toluene-d8	10.179	98	567422	49.649	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.300%	
62) 4-Bromofluorobenzene	12.477	95	217212	49.567	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.140%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	55602	23.481	ug/l	99
3) Chloromethane	2.107	50	67677	25.425	ug/l	96
4) Vinyl Chloride	2.247	62	74056	24.894	ug/l	98
5) Bromomethane	2.625	94	49102	24.977	ug/l	100
6) Chloroethane	2.778	64	46182	24.853	ug/l	99
7) Trichlorofluoromethane	3.113	101	110776	22.172	ug/l	98
8) Diethyl Ether	3.521	74	42011	22.599	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	66413	21.687	ug/l	93
10) Methyl Iodide	4.076	142	65107	21.475	ug/l	96
11) Tert butyl alcohol	4.942	59	122370	171.164	ug/l #	92
12) 1,1-Dichloroethene	3.863	96	63211	22.085	ug/l	90
13) Acrolein	3.723	56	38401	110.931	ug/l	97
14) Allyl chloride	4.466	41	104910	20.644	ug/l	96
15) Acrylonitrile	5.149	53	126685	123.584	ug/l	97
16) Acetone	3.942	43	127936	121.897	ug/l	93
17) Carbon Disulfide	4.186	76	181832	22.190	ug/l	98
18) Methyl Acetate	4.466	43	102185	25.371	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	217248	23.367	ug/l	100
20) Methylene Chloride	4.704	84	87193	23.320	ug/l	91
21) trans-1,2-Dichloroethene	5.204	96	72667	22.372	ug/l	99
22) Diisopropyl ether	6.112	45	219590	21.254	ug/l	91
23) Vinyl Acetate	6.051	43	676450	109.407	ug/l	96
24) 1,1-Dichloroethane	6.009	63	130414	22.060	ug/l	97
25) 2-Butanone	6.978	43	196512	127.982	ug/l	98
26) 2,2-Dichloropropane	6.972	77	124111	22.028	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	86557	22.894	ug/l	97
28) Bromochloromethane	7.326	49	59970	23.554	ug/l	93
29) Tetrahydrofuran	7.338	42	119837	126.748	ug/l	92
30) Chloroform	7.496	83	136607	22.409	ug/l	97
31) Cyclohexane	7.777	56	112452	20.453	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	119185	21.723	ug/l	99
36) 1,1-Dichloropropene	7.911	75	96136	20.738	ug/l	98
37) Ethyl Acetate	7.063	43	77952	24.423	ug/l #	95
38) Carbon Tetrachloride	7.899	117	105577	21.544	ug/l	99
39) Methylcyclohexane	9.179	83	124796	20.663	ug/l	94
40) Benzene	8.155	78	292302	22.170	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	37408m	22.786	ug/l	
42) 1,2-Dichloroethane	8.234	62	94114	22.541	ug/l	95
43) Isopropyl Acetate	8.271	43	138147	22.722	ug/l	96
44) Trichloroethene	8.935	130	81779	22.169	ug/l	98
45) 1,2-Dichloropropane	9.209	63	75089	21.811	ug/l	98
46) Dibromomethane	9.301	93	46200	22.120	ug/l	97
47) Bromodichloromethane	9.490	83	107500	21.838	ug/l	94
48) Methyl methacrylate	9.289	41	62915	22.997	ug/l	91
49) 1,4-Dioxane	9.295	88	16913	496.625	ug/l #	40
51) 4-Methyl-2-Pentanone	10.069	43	391425	122.616	ug/l	93
52) Toluene	10.240	92	186689	22.128	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	119075	22.115	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	127855	21.835	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	66701	22.927	ug/l	97
56) Ethyl methacrylate	10.508	69	99538	22.408	ug/l	90
57) 1,3-Dichloropropane	10.788	76	110371	21.995	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	250598	121.078	ug/l	94
59) 2-Hexanone	10.831	43	289703	124.444	ug/l	91
60) Dibromochloromethane	10.983	129	81466	22.839	ug/l	100
61) 1,2-Dibromoethane	11.087	107	67796	23.359	ug/l	100
64) Tetrachloroethene	10.715	164	79513	22.906	ug/l	97
65) Chlorobenzene	11.514	112	202176	21.982	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	75630	21.809	ug/l	99
67) Ethyl Benzene	11.587	91	366824	22.090	ug/l	100
68) m/p-Xylenes	11.697	106	272575	43.000	ug/l	98
69) o-Xylene	12.026	106	135952	22.019	ug/l	98
70) Styrene	12.038	104	231140	22.212	ug/l	98
71) Bromoform	12.203	173	55404	23.570	ug/l #	99
73) Isopropylbenzene	12.325	105	356445	20.963	ug/l	100
74) N-amyl acetate	12.142	43	122629	21.533	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	87053	22.450	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	62720m	22.868	ug/l	
77) Bromobenzene	12.605	156	81760	21.065	ug/l	94
78) n-propylbenzene	12.666	91	412215	20.118	ug/l	100
79) 2-Chlorotoluene	12.751	91	237541	20.128	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	297391	20.942	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	30618	21.615	ug/l	93
82) 4-Chlorotoluene	12.855	91	244755	20.137	ug/l	99
83) tert-Butylbenzene	13.075	119	255297	20.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	296518	21.277	ug/l	99
85) sec-Butylbenzene	13.251	105	373575	20.217	ug/l	100
86) p-Isopropyltoluene	13.367	119	309059	20.485	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	163107	21.592	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	162613	21.482	ug/l	97
89) n-Butylbenzene	13.696	91	294111	20.037	ug/l	96
90) Hexachloroethane	13.959	117	63042	20.343	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	150198	21.702	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	17599	23.733	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	96751	22.022	ug/l	98
94) Hexachlorobutadiene	15.111	225	49925	20.679	ug/l	98
95) Naphthalene	15.233	128	236039	23.060	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	84457	21.630	ug/l	97

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

