

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009503.D
 Acq On : 11 Jul 2022 12:32
 Operator : KP/MD
 Sample : VY0711SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0711SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 05:01:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	163615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	261196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	56058	48.436	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.880%		
35) Dibromofluoromethane	7.710	113	61341	44.633	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.260%		
50) Toluene-d8	10.179	98	182008	47.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	95.940%		
62) 4-Bromofluorobenzene	12.477	95	96772	49.883	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	99.760%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	23949	19.087	ug/l	95
3) Chloromethane	2.107	50	24586	17.547	ug/l	98
4) Vinyl Chloride	2.241	62	31419	19.695	ug/l	98
5) Bromomethane	2.625	94	22071	19.258	ug/l	96
6) Chloroethane	2.778	64	18468	19.829	ug/l	98
7) Trichlorofluoromethane	3.113	101	45697	21.455	ug/l	94
8) Diethyl Ether	3.528	74	16126	19.790	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	29011	20.104	ug/l	96
10) Methyl Iodide	4.076	142	32468	19.512	ug/l	89
11) Tert butyl alcohol	4.948	59	20537	81.378	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	25214	18.838	ug/l	91
13) Acrolein	3.723	56	5993	70.939	ug/l	100
14) Allyl chloride	4.473	41	46696	20.277	ug/l	96
15) Acrylonitrile	5.155	53	47406	105.730	ug/l	99
16) Acetone	3.936	43	40352	101.382	ug/l	95
17) Carbon Disulfide	4.180	76	56956	16.094	ug/l	97
18) Methyl Acetate	4.466	43	26499	22.675	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	87179	21.520	ug/l	98
20) Methylene Chloride	4.704	84	40885	18.740	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	29646	18.903	ug/l #	77
22) Diisopropyl ether	6.106	45	109607	22.388	ug/l	97
23) Vinyl Acetate	6.051	43	342482	99.930	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	57402	20.791	ug/l	98
25) 2-Butanone	6.978	43	67399	104.678	ug/l	94
26) 2,2-Dichloropropane	6.972	77	55725	20.478	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	36904	19.988	ug/l	92
28) Bromochloromethane	7.332	49	23276	20.058	ug/l	87
29) Tetrahydrofuran	7.344	42	44296	106.366	ug/l	95
30) Chloroform	7.502	83	61224	20.261	ug/l	96
31) Cyclohexane	7.783	56	48251	17.975	ug/l	93
32) 1,1,1-Trichloroethane	7.691	97	54321	20.390	ug/l	98
36) 1,1-Dichloropropene	7.911	75	42947	19.194	ug/l	96
37) Ethyl Acetate	7.070	43	30530	21.768	ug/l	98
38) Carbon Tetrachloride	7.899	117	48317	20.191	ug/l	97
39) Methylcyclohexane	9.179	83	49906	18.582	ug/l	93
40) Benzene	8.155	78	132182	20.118	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14845m	20.384	ug/l	
42) 1,2-Dichloroethane	8.234	62	40765	20.666	ug/l	93
43) Isopropyl Acetate	8.265	43	56444	21.569	ug/l	97
44) Trichloroethene	8.935	130	37901	20.420	ug/l	95
45) 1,2-Dichloropropane	9.216	63	34949	21.019	ug/l	99
46) Dibromomethane	9.301	93	19797	20.286	ug/l	95
47) Bromodichloromethane	9.490	83	48665	20.951	ug/l	97
48) Methyl methacrylate	9.289	41	23987	21.275	ug/l	91
49) 1,4-Dioxane	9.295	88	5787	402.664	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	153386	111.456	ug/l	94
52) Toluene	10.240	92	88384	21.110	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	52539	21.464	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	57034	20.896	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	30134	21.404	ug/l	95
56) Ethyl methacrylate	10.508	69	39681	21.229	ug/l	90
57) 1,3-Dichloropropane	10.788	76	48827	21.038	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	96033	105.173	ug/l	95
59) 2-Hexanone	10.831	43	108150	113.411	ug/l	95
60) Dibromochloromethane	10.977	129	36777	21.572	ug/l	99
61) 1,2-Dibromoethane	11.087	107	28924	21.430	ug/l	96
64) Tetrachloroethene	10.715	164	42404	20.832	ug/l	99
65) Chlorobenzene	11.514	112	98447	20.589	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	37479	20.838	ug/l	97
67) Ethyl Benzene	11.593	91	170169	20.386	ug/l	96
68) m/p-Xylenes	11.703	106	136000	41.775	ug/l	92
69) o-Xylene	12.026	106	64237	20.586	ug/l	92
70) Styrene	12.044	104	110168	21.137	ug/l	96
71) Bromoform	12.203	173	24641	21.495	ug/l #	98
73) Isopropylbenzene	12.325	105	174291	19.541	ug/l	98
74) N-amyl acetate	12.142	43	53005	20.887	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	34890	19.537	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	27013m	19.567	ug/l	
77) Bromobenzene	12.605	156	42916	19.765	ug/l	96
78) n-propylbenzene	12.666	91	214503	19.907	ug/l	98
79) 2-Chlorotoluene	12.752	91	120737	20.014	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	149785	20.091	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	13285	19.695	ug/l	87
82) 4-Chlorotoluene	12.849	91	128778	20.369	ug/l	98
83) tert-Butylbenzene	13.075	119	133748	20.165	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	147318	19.853	ug/l	97
85) sec-Butylbenzene	13.251	105	199624	20.436	ug/l	98
86) p-Isopropyltoluene	13.367	119	169002	20.756	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	86882	20.271	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	89364	20.601	ug/l	98
89) n-Butylbenzene	13.696	91	155710	20.479	ug/l	98
90) Hexachloroethane	13.959	117	31281	19.580	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	80548	20.512	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6433	20.552	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	47340	19.766	ug/l	99
94) Hexachlorobutadiene	15.111	225	26208	19.904	ug/l	95
95) Naphthalene	15.233	128	96318	19.451	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	40799	19.668	ug/l	99

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

