

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014691.D
 Acq On : 18 Jul 2023 10:48
 Operator : SY/MD
 Sample : VY0718SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0718SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 04:00:44 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	263324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	429140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	377618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	195036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	147631	49.199	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.400%		
35) Dibromofluoromethane	7.716	113	135651	49.656	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.320%		
50) Toluene-d8	10.179	98	494653	49.114	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.220%		
62) 4-Bromofluorobenzene	12.477	95	187808	48.632	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	47445	22.115	ug/l	98
3) Chloromethane	2.107	50	58677	24.331	ug/l	97
4) Vinyl Chloride	2.247	62	64818	24.050	ug/l	97
5) Bromomethane	2.625	94	43627	24.494	ug/l	95
6) Chloroethane	2.784	64	40121	23.832	ug/l	96
7) Trichlorofluoromethane	3.113	101	93852	20.734	ug/l	99
8) Diethyl Ether	3.521	74	34092	20.242	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.887	101	54891	19.784	ug/l	96
10) Methyl Iodide	4.082	142	53831	19.805	ug/l	97
11) Tert butyl alcohol	4.948	59	93666	141.430	ug/l #	92
12) 1,1-Dichloroethene	3.863	96	51642	19.915	ug/l	92
13) Acrolein	3.723	56	28800	91.828	ug/l	99
14) Allyl chloride	4.472	41	83873	18.217	ug/l	97
15) Acrylonitrile	5.155	53	100979	108.729	ug/l	99
16) Acetone	3.948	43	95026	99.935	ug/l	93
17) Carbon Disulfide	4.186	76	143712	19.358	ug/l	98
18) Methyl Acetate	4.472	43	81029	22.206	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	169032	20.067	ug/l	99
20) Methylene Chloride	4.710	84	66540	18.916	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	57225	19.446	ug/l	96
22) Diisopropyl ether	6.119	45	175521	18.751	ug/l	93
23) Vinyl Acetate	6.058	43	548273	97.877	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	101557	18.961	ug/l	96
25) 2-Butanone	6.984	43	151879	109.177	ug/l	94
26) 2,2-Dichloropropane	6.978	77	100330	19.655	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	67417	19.682	ug/l	97
28) Bromochloromethane	7.332	49	45989	19.937	ug/l	90
29) Tetrahydrofuran	7.344	42	96586	112.756	ug/l	92
30) Chloroform	7.502	83	106852	19.346	ug/l	95
31) Cyclohexane	7.783	56	93290	18.729	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	97536	19.621	ug/l	99
36) 1,1-Dichloropropene	7.911	75	82004	20.073	ug/l	99
37) Ethyl Acetate	7.070	43	61895	22.005	ug/l #	94
38) Carbon Tetrachloride	7.899	117	86927	20.129	ug/l	100
39) Methylcyclohexane	9.179	83	103515	19.449	ug/l	94
40) Benzene	8.155	78	228439	19.661	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	32119m	22.201	ug/l	
42) 1,2-Dichloroethane	8.234	62	74526	20.255	ug/l	94
43) Isopropyl Acetate	8.271	43	112222	20.945	ug/l	97
44) Trichloroethene	8.935	130	65140	20.038	ug/l	97
45) 1,2-Dichloropropane	9.216	63	58583	19.309	ug/l	99
46) Dibromomethane	9.301	93	37639	20.450	ug/l	96
47) Bromodichloromethane	9.496	83	84622	19.507	ug/l	100
48) Methyl methacrylate	9.289	41	49070	20.353	ug/l	91
49) 1,4-Dioxane	9.295	88	13962	465.217	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	313622	111.483	ug/l	94
52) Toluene	10.240	92	147242	19.804	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	92440	19.481	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	99924	19.365	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	52428	20.449	ug/l	96
56) Ethyl methacrylate	10.508	69	82009	20.950	ug/l	89
57) 1,3-Dichloropropane	10.788	76	89665	20.277	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	189029	103.637	ug/l	92
59) 2-Hexanone	10.831	43	229649	111.940	ug/l	92
60) Dibromochloromethane	10.983	129	64459	20.506	ug/l	99
61) 1,2-Dibromoethane	11.087	107	53851	21.055	ug/l	99
64) Tetrachloroethene	10.715	164	63987	21.069	ug/l	98
65) Chlorobenzene	11.514	112	161340	20.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	61217	20.177	ug/l	99
67) Ethyl Benzene	11.587	91	287447	19.785	ug/l	99
68) m/p-Xylenes	11.697	106	225597	40.677	ug/l	95
69) o-Xylene	12.026	106	109737	20.315	ug/l	99
70) Styrene	12.044	104	185546	20.380	ug/l	98
71) Bromoform	12.203	173	44150	21.468	ug/l #	100
73) Isopropylbenzene	12.325	105	290072	18.994	ug/l	100
74) N-amyl acetate	12.142	43	101410	19.827	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	70903	20.359	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	50897m	20.663	ug/l	
77) Bromobenzene	12.605	156	67605	19.394	ug/l	94
78) n-propylbenzene	12.666	91	347718	18.895	ug/l	100
79) 2-Chlorotoluene	12.751	91	198195	18.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	242229	18.993	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	25398	19.963	ug/l	94
82) 4-Chlorotoluene	12.849	91	203339	18.627	ug/l	100
83) tert-Butylbenzene	13.075	119	214826	18.988	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	240028	19.177	ug/l	99
85) sec-Butylbenzene	13.251	105	320136	19.290	ug/l	100
86) p-Isopropyltoluene	13.367	119	263966	19.481	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	133871	19.732	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	134254	19.747	ug/l	98
89) n-Butylbenzene	13.696	91	250645	19.013	ug/l	96
90) Hexachloroethane	13.959	117	51832	18.623	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	122893	19.771	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14051	21.098	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	79475	20.141	ug/l	99
94) Hexachlorobutadiene	15.111	225	42717	19.700	ug/l	97
95) Naphthalene	15.233	128	194867	21.198	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	71607	20.419	ug/l	99

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

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