

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010614.D
 Acq On : 22 Sep 2022 11:58
 Operator : KP/MD
 Sample : VY0922SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0922SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/23/2022
 Supervised By :Mahesh Dadoda 09/23/2022

Quant Time: Sep 22 16:24:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	235625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	387917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	350845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123984	55.014	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.020%			
35) Dibromofluoromethane	7.710	113	115126	46.503	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.000%			
50) Toluene-d8	10.173	98	457903	50.043	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.080%			
62) 4-Bromofluorobenzene	12.477	95	152577	44.644	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	27250	21.727	ug/l	99
3) Chloromethane	2.107	50	45147	25.952	ug/l	97
4) Vinyl Chloride	2.241	62	52407	23.207	ug/l	98
5) Bromomethane	2.631	94	35574	22.516	ug/l	98
6) Chloroethane	2.784	64	36648	22.079	ug/l	100
7) Trichlorofluoromethane	3.113	101	66783	21.570	ug/l	98
8) Diethyl Ether	3.521	74	22285	20.993	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.887	101	39960	21.445	ug/l	95
10) Methyl Iodide	4.076	142	41954	19.490	ug/l	93
11) Tert butyl alcohol	4.954	59	23033	107.864	ug/l	98
12) 1,1-Dichloroethene	3.863	96	35080	21.084	ug/l	84
13) Acrolein	3.717	56	9795	93.429	ug/l	100
14) Allyl chloride	4.466	41	54183	21.600	ug/l #	94
15) Acrylonitrile	5.155	53	58916	106.932	ug/l	98
16) Acetone	3.942	43	52125	113.417	ug/l	92
17) Carbon Disulfide	4.180	76	89344	25.240	ug/l	99
18) Methyl Acetate	4.466	43	33839	24.995	ug/l #	88
19) Methyl tert-butyl Ether	5.210	73	102444	19.749	ug/l	97
20) Methylene Chloride	4.710	84	66512	20.085	ug/l #	81
21) trans-1,2-Dichloroethene	5.204	96	40091	21.412	ug/l	88
22) Diisopropyl ether	6.106	45	127723	21.570	ug/l	97
23) Vinyl Acetate	6.051	43	363192	103.830	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	75266	21.179	ug/l	98
25) 2-Butanone	6.978	43	77910	108.379	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	68449	20.029	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	47904	20.536	ug/l	89
28) Bromochloromethane	7.326	49	19345	15.517	ug/l #	88
29) Tetrahydrofuran	7.338	42	47101	106.678	ug/l #	87
30) Chloroform	7.496	83	80642	20.974	ug/l	99
31) Cyclohexane	7.777	56	63586	23.193	ug/l #	84
32) 1,1,1-Trichloroethane	7.698	97	70845	20.703	ug/l	97
36) 1,1-Dichloropropene	7.911	75	57255	20.756	ug/l	98
37) Ethyl Acetate	7.063	43	32643	20.488	ug/l	95
38) Carbon Tetrachloride	7.893	117	63121	19.901	ug/l	99
39) Methylcyclohexane	9.179	83	65826	20.389	ug/l	92
40) Benzene	8.155	78	170521	20.736	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	19405m	23.878	ug/l	
42) 1,2-Dichloroethane	8.228	62	51970	20.523	ug/l	93
43) Isopropyl Acetate	8.264	43	56367	19.300	ug/l #	90
44) Trichloroethene	8.935	130	46828	19.893	ug/l	96
45) 1,2-Dichloropropane	9.209	63	43239	20.325	ug/l	96
46) Dibromomethane	9.301	93	25360	20.300	ug/l	96
47) Bromodichloromethane	9.490	83	61991	20.096	ug/l	99
48) Methyl methacrylate	9.289	41	26655	20.675	ug/l #	87
49) 1,4-Dioxane	9.295	88	6782	369.179	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	165045	100.095	ug/l	91
52) Toluene	10.240	92	110921	20.615	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	60354	19.350	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	68471	19.690	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	36660	19.950	ug/l	99
56) Ethyl methacrylate	10.508	69	45669	19.185	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	61213	20.111	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	94392	84.782	ug/l	95
59) 2-Hexanone	10.831	43	112578	100.731	ug/l	89
60) Dibromochloromethane	10.983	129	43624	19.399	ug/l	98
61) 1,2-Dibromoethane	11.087	107	33785	19.639	ug/l	99
64) Tetrachloroethene	10.715	164	45877	19.575	ug/l	98
65) Chlorobenzene	11.514	112	118938	19.605	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	45277	19.156	ug/l	97
67) Ethyl Benzene	11.593	91	207478	19.475	ug/l	98
68) m/p-Xylenes	11.703	106	161581	39.152	ug/l	94
69) o-Xylene	12.026	106	76507	19.014	ug/l	95
70) Styrene	12.044	104	133094	19.472	ug/l	95
71) Bromoform	12.203	173	28028	19.097	ug/l #	99
73) Isopropylbenzene	12.325	105	205649	18.997	ug/l	100
74) N-amyl acetate	12.142	43	48499	18.475	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	43240	19.602	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	31555m	18.875	ug/l	
77) Bromobenzene	12.605	156	48845	18.964	ug/l	94
78) n-propylbenzene	12.672	91	249535	19.352	ug/l	99
79) 2-Chlorotoluene	12.751	91	139461	18.982	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	177217	19.375	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	13803	18.358	ug/l	89
82) 4-Chlorotoluene	12.855	91	147420	19.431	ug/l	98
83) tert-Butylbenzene	13.075	119	154521	18.889	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	176290	19.400	ug/l	99
85) sec-Butylbenzene	13.251	105	228909	19.107	ug/l	99
86) p-Isopropyltoluene	13.367	119	190258	19.003	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	99322	18.999	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	98952	19.124	ug/l	98
89) n-Butylbenzene	13.696	91	174014	18.934	ug/l	99
90) Hexachloroethane	13.959	117	38339	19.945	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	89084	19.129	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6745	18.324	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	52324	18.418	ug/l	99
94) Hexachlorobutadiene	15.111	225	31499	18.242	ug/l	96
95) Naphthalene	15.233	128	102390	17.887	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	45188	18.268	ug/l	98

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

