

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010615.D
 Acq On : 22 Sep 2022 12:20
 Operator : KP/MD
 Sample : VY0922SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 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 16:24:37 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	247460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	397572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123616	52.227	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.460%			
35) Dibromofluoromethane	7.709	113	116823	46.042	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.080%			
50) Toluene-d8	10.178	98	464420	49.555	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.477	95	152179	43.369	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	32064	25.208	ug/l	100
3) Chloromethane	2.107	50	48111	26.405	ug/l	98
4) Vinyl Chloride	2.241	62	56272	23.808	ug/l	100
5) Bromomethane	2.637	94	36708	22.029	ug/l	100
6) Chloroethane	2.783	64	37563	21.548	ug/l	98
7) Trichlorofluoromethane	3.113	101	70244	21.603	ug/l	86
8) Diethyl Ether	3.521	74	22725	20.384	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	42105	21.516	ug/l	94
10) Methyl Iodide	4.076	142	45142	19.968	ug/l	92
11) Tert butyl alcohol	4.942	59	31588	144.426	ug/l	97
12) 1,1-Dichloroethene	3.862	96	37498	21.459	ug/l	83
13) Acrolein	3.722	56	9720	88.280	ug/l	98
14) Allyl chloride	4.466	41	56555	21.468	ug/l #	95
15) Acrylonitrile	5.149	53	58764	101.555	ug/l	97
16) Acetone	3.942	43	49636	102.836	ug/l #	89
17) Carbon Disulfide	4.186	76	94746	25.537	ug/l	98
18) Methyl Acetate	4.466	43	33495	23.434	ug/l #	88
19) Methyl tert-butyl Ether	5.210	73	104020	19.094	ug/l	94
20) Methylene Chloride	4.710	84	70651	20.492	ug/l #	83
21) trans-1,2-Dichloroethene	5.210	96	42279	21.501	ug/l	93
22) Diisopropyl ether	6.112	45	132594	21.322	ug/l	94
23) Vinyl Acetate	6.051	43	372645	101.437	ug/l #	95
24) 1,1-Dichloroethane	6.008	63	79686	21.350	ug/l	99
25) 2-Butanone	6.978	43	77551	102.720	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	74534	20.767	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	49979	20.401	ug/l	92
28) Bromochloromethane	7.325	49	20057	15.384	ug/l	88
29) Tetrahydrofuran	7.344	42	46667	100.640	ug/l #	86
30) Chloroform	7.496	83	83349	20.641	ug/l	99
31) Cyclohexane	7.776	56	68539	23.906	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	73677	20.501	ug/l	97
36) 1,1-Dichloropropene	7.911	75	60031	21.234	ug/l	97
37) Ethyl Acetate	7.069	43	33161	20.308	ug/l	95
38) Carbon Tetrachloride	7.892	117	66103	20.335	ug/l	99
39) Methylcyclohexane	9.179	83	70910	21.430	ug/l	92
40) Benzene	8.154	78	177781	21.094	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	16589m	19.918	ug/l	
42) 1,2-Dichloroethane	8.228	62	52407	20.193	ug/l	93
43) Isopropyl Acetate	8.270	43	59217	19.784	ug/l #	90
44) Trichloroethene	8.935	130	49187	20.387	ug/l	100
45) 1,2-Dichloropropane	9.209	63	45107	20.689	ug/l	98
46) Dibromomethane	9.301	93	25228	19.704	ug/l	97
47) Bromodichloromethane	9.490	83	63474	20.078	ug/l	96
48) Methyl methacrylate	9.288	41	25871	19.580	ug/l #	85
49) 1,4-Dioxane	9.294	88	6719	356.868	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	165359	97.850	ug/l	90
52) Toluene	10.239	92	112775	20.451	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	62304	19.490	ug/l	98
54) cis-1,3-Dichloropropene	9.922	75	69982	19.636	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	37504	19.914	ug/l	97
56) Ethyl methacrylate	10.508	69	45430	18.621	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	61723	19.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	93431	82.582	ug/l	96
59) 2-Hexanone	10.831	43	111964	97.749	ug/l	90
60) Dibromochloromethane	10.983	129	44603	19.353	ug/l	100
61) 1,2-Dibromoethane	11.087	107	34172	19.381	ug/l	99
64) Tetrachloroethene	10.715	164	47315	19.960	ug/l	97
65) Chlorobenzene	11.514	112	121771	19.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	46084	19.278	ug/l	98
67) Ethyl Benzene	11.587	91	215877	20.035	ug/l	100
68) m/p-Xylenes	11.703	106	166689	39.934	ug/l	94
69) o-Xylene	12.026	106	79057	19.426	ug/l	94
70) Styrene	12.044	104	135368	19.581	ug/l	96
71) Bromoform	12.209	173	28361	19.106	ug/l #	96
73) Isopropylbenzene	12.324	105	214734	19.939	ug/l	99
74) N-amyl acetate	12.141	43	49407	18.918	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.580	83	42850	19.525	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	31357m	18.853	ug/l	
77) Bromobenzene	12.605	156	49778	19.426	ug/l	95
78) n-propylbenzene	12.666	91	258405	20.143	ug/l	99
79) 2-Chlorotoluene	12.751	91	144995	19.837	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	183055	20.116	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	13515	18.067	ug/l	93
82) 4-Chlorotoluene	12.849	91	151248	20.039	ug/l	98
83) tert-Butylbenzene	13.074	119	160099	19.672	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	181870	20.118	ug/l	99
85) sec-Butylbenzene	13.251	105	236671	19.856	ug/l	100
86) p-Isopropyltoluene	13.367	119	196040	19.682	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	102185	19.647	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	101390	19.696	ug/l	98
89) n-Butylbenzene	13.696	91	181485	19.848	ug/l	100
90) Hexachloroethane	13.958	117	38320	20.038	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	90367	19.504	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6859	18.729	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	52127	18.443	ug/l	99
94) Hexachlorobutadiene	15.110	225	32683	19.026	ug/l	99
95) Naphthalene	15.232	128	101014	17.738	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	44625	18.133	ug/l	99

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

