

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010593.D
 Acq On : 21 Sep 2022 12:28
 Operator : KP/MD
 Sample : VY0921SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0921SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/22/2022
 Supervised By :Mahesh Dadoda 09/22/2022

Quant Time: Sep 21 15:34:23 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	237316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	380789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	125195	55.155	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.320%			
35) Dibromofluoromethane	7.716	113	119091	49.005	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.000%			
50) Toluene-d8	10.179	98	473684	52.569	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.140%			
62) 4-Bromofluorobenzene	12.483	95	154975	46.293	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	29712	24.115	ug/l	95
3) Chloromethane	2.113	50	47721	27.480	ug/l	96
4) Vinyl Chloride	2.247	62	57902	25.808	ug/l	99
5) Bromomethane	2.637	94	38823	24.846	ug/l	98
6) Chloroethane	2.784	64	39401	23.569	ug/l	95
7) Trichlorofluoromethane	3.119	101	72266	23.175	ug/l	94
8) Diethyl Ether	3.521	74	22956	21.471	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.887	101	42890	22.854	ug/l	94
10) Methyl Iodide	4.082	142	46241	21.329	ug/l	92
11) Tert butyl alcohol	4.942	59	24850	116.376	ug/l	99
12) 1,1-Dichloroethene	3.863	96	38382	22.904	ug/l	83
13) Acrolein	3.723	56	10411	98.597	ug/l	100
14) Allyl chloride	4.472	41	58357	23.099	ug/l #	93
15) Acrylonitrile	5.155	53	59178	106.642	ug/l	99
16) Acetone	3.942	43	52400	113.203	ug/l	90
17) Carbon Disulfide	4.186	76	96373	27.405	ug/l	99
18) Methyl Acetate	4.466	43	32884	24.041	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	107390	20.555	ug/l	95
20) Methylene Chloride	4.710	84	55276	13.857	ug/l	84
21) trans-1,2-Dichloroethene	5.210	96	43526	23.081	ug/l	88
22) Diisopropyl ether	6.106	45	132447	22.209	ug/l #	96
23) Vinyl Acetate	6.051	43	378396	107.406	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	80664	22.536	ug/l	98
25) 2-Butanone	6.984	43	77619	107.205	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	72915	21.184	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	50930	21.678	ug/l	89
28) Bromochloromethane	7.326	49	20315	15.962	ug/l	85
29) Tetrahydrofuran	7.338	42	47044	105.789	ug/l #	84
30) Chloroform	7.502	83	84725	21.879	ug/l	100
31) Cyclohexane	7.783	56	68850	25.224	ug/l	87
32) 1,1,1-Trichloroethane	7.697	97	75915	22.027	ug/l	97
36) 1,1-Dichloropropene	7.911	75	61971	22.886	ug/l	98
37) Ethyl Acetate	7.069	43	32808	20.977	ug/l #	93
38) Carbon Tetrachloride	7.892	117	68981	22.156	ug/l	97
39) Methylcyclohexane	9.179	83	71904	22.688	ug/l	90
40) Benzene	8.155	78	180399	22.348	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19829m	24.857	ug/l	
42) 1,2-Dichloroethane	8.234	62	54392	21.882	ug/l	92
43) Isopropyl Acetate	8.270	43	59531	20.765	ug/l #	90
44) Trichloroethene	8.935	130	50158	21.706	ug/l	99
45) 1,2-Dichloropropane	9.215	63	45721	21.895	ug/l	96
46) Dibromomethane	9.301	93	26287	21.436	ug/l	98
47) Bromodichloromethane	9.490	83	64693	21.365	ug/l	99
48) Methyl methacrylate	9.289	41	26005	20.549	ug/l #	81
49) 1,4-Dioxane	9.301	88	7013	388.900	ug/l	84
51) 4-Methyl-2-Pentanone	10.069	43	165527	102.267	ug/l	90
52) Toluene	10.240	92	116558	22.068	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	63249	20.658	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	72296	21.179	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	38025	21.081	ug/l	98
56) Ethyl methacrylate	10.508	69	46644	19.961	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	63748	21.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	95487	86.746	ug/l	95
59) 2-Hexanone	10.831	43	113635	103.580	ug/l	88
60) Dibromochloromethane	10.983	129	45839	20.766	ug/l	99
61) 1,2-Dibromoethane	11.087	107	35554	21.054	ug/l	100
64) Tetrachloroethene	10.715	164	48387	21.005	ug/l	97
65) Chlorobenzene	11.514	112	126600	21.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	47850	20.597	ug/l	98
67) Ethyl Benzene	11.593	91	221804	21.182	ug/l	100
68) m/p-Xylenes	11.703	106	176715	43.563	ug/l	91
69) o-Xylene	12.026	106	82990	20.984	ug/l	92
70) Styrene	12.044	104	140123	20.856	ug/l	96
71) Bromoform	12.209	173	29105	20.176	ug/l #	97
73) Isopropylbenzene	12.331	105	222088	21.188	ug/l	100
74) N-amyl acetate	12.142	43	48672	19.149	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	44160	20.675	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	34844m	21.526	ug/l	
77) Bromobenzene	12.611	156	51842	20.787	ug/l	95
78) n-propylbenzene	12.672	91	269327	21.572	ug/l	99
79) 2-Chlorotoluene	12.757	91	149728	21.047	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	190900	21.555	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	14710	20.205	ug/l	87
82) 4-Chlorotoluene	12.855	91	155119	21.116	ug/l	98
83) tert-Butylbenzene	13.074	119	163370	20.626	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	187164	21.272	ug/l	97
85) sec-Butylbenzene	13.251	105	245631	21.175	ug/l	99
86) p-Isopropyltoluene	13.373	119	203674	21.011	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	104599	20.664	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	104784	20.915	ug/l	99
89) n-Butylbenzene	13.696	91	188792	21.215	ug/l	99
90) Hexachloroethane	13.958	117	39996	21.489	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	94258	20.904	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6921	19.418	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	55052	20.014	ug/l	99
94) Hexachlorobutadiene	15.111	225	33872	20.260	ug/l	98
95) Naphthalene	15.239	128	106352	19.188	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	46760	19.523	ug/l	98

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

