

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010571.D
 Acq On : 20 Sep 2022 13:13
 Operator : KP/MD
 Sample : VY0920SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 20 18:09:34 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	239472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	386998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	351933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	173381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130975	57.182	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.360%			
35) Dibromofluoromethane	7.710	113	121524	49.203	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.400%			
50) Toluene-d8	10.179	98	484854	52.923	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.840%			
62) 4-Bromofluorobenzene	12.477	95	161697	47.602	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	30378	24.528	ug/l	98
3) Chloromethane	2.113	50	48350	27.612	ug/l	96
4) Vinyl Chloride	2.247	62	56879	25.028	ug/l	99
5) Bromomethane	2.637	94	39853	25.368	ug/l	99
6) Chloroethane	2.784	64	39649	23.504	ug/l	97
7) Trichlorofluoromethane	3.113	101	71686	22.782	ug/l	92
8) Diethyl Ether	3.521	74	24649	22.847	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	42243	22.307	ug/l	94
10) Methyl Iodide	4.082	142	47901	21.895	ug/l	91
11) Tert butyl alcohol	4.942	59	36635	175.409	ug/l #	86
12) 1,1-Dichloroethene	3.863	96	37885	22.404	ug/l	83
13) Acrolein	3.723	56	12397	116.348	ug/l	99
14) Allyl chloride	4.466	41	58204	22.831	ug/l #	95
15) Acrylonitrile	5.149	53	64040	114.364	ug/l	99
16) Acetone	3.942	43	54392	116.448	ug/l #	88
17) Carbon Disulfide	4.186	76	97286	27.418	ug/l	99
18) Methyl Acetate	4.472	43	36902	26.977	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	115050	21.823	ug/l	98
20) Methylene Chloride	4.704	84	66241	19.370	ug/l #	80
21) trans-1,2-Dichloroethene	5.210	96	43605	22.915	ug/l	89
22) Diisopropyl ether	6.112	45	136208	22.634	ug/l #	93
23) Vinyl Acetate	6.051	43	397571	111.832	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	81616	22.597	ug/l	98
25) 2-Butanone	6.978	43	85821	117.466	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	75492	21.736	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	51723	21.817	ug/l	93
28) Bromochloromethane	7.326	49	20925	16.187	ug/l	88
29) Tetrahydrofuran	7.344	42	53214	118.587	ug/l #	86
30) Chloroform	7.502	83	86626	22.169	ug/l	99
31) Cyclohexane	7.777	56	67253	24.294	ug/l #	85
32) 1,1,1-Trichloroethane	7.697	97	75627	21.746	ug/l	96
36) 1,1-Dichloropropene	7.911	75	61977	22.521	ug/l	98
37) Ethyl Acetate	7.069	43	36676	23.074	ug/l #	96
38) Carbon Tetrachloride	7.893	117	67908	21.461	ug/l	100
39) Methylcyclohexane	9.179	83	71254	22.122	ug/l	91
40) Benzene	8.155	78	183682	22.390	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	17334m	21.381	ug/l	
42) 1,2-Dichloroethane	8.234	62	56548	22.384	ug/l	93
43) Isopropyl Acetate	8.271	43	63904	21.933	ug/l #	90
44) Trichloroethene	8.935	130	50730	21.601	ug/l	100
45) 1,2-Dichloropropane	9.215	63	46333	21.832	ug/l	96
46) Dibromomethane	9.301	93	27414	21.996	ug/l	98
47) Bromodichloromethane	9.496	83	66183	21.506	ug/l	100
48) Methyl methacrylate	9.289	41	28503	22.161	ug/l #	84
49) 1,4-Dioxane	9.295	88	7818	426.585	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	182140	110.725	ug/l	90
52) Toluene	10.240	92	116610	21.724	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	65814	21.151	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	75855	21.865	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	39600	21.602	ug/l	96
56) Ethyl methacrylate	10.508	69	49755	20.951	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	65798	21.668	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	102954	90.782	ug/l	94
59) 2-Hexanone	10.831	43	124775	111.910	ug/l	89
60) Dibromochloromethane	10.983	129	47741	21.280	ug/l	98
61) 1,2-Dibromoethane	11.087	107	38136	22.221	ug/l	98
64) Tetrachloroethene	10.715	164	50350	21.417	ug/l	98
65) Chlorobenzene	11.514	112	129773	21.325	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	49164	20.736	ug/l	98
67) Ethyl Benzene	11.593	91	222316	20.804	ug/l	98
68) m/p-Xylenes	11.703	106	175832	42.473	ug/l	94
69) o-Xylene	12.026	106	82275	20.385	ug/l	95
70) Styrene	12.044	104	143239	20.891	ug/l	95
71) Bromoform	12.209	173	31233	21.215	ug/l #	98
73) Isopropylbenzene	12.331	105	222252	20.742	ug/l	100
74) N-amyl acetate	12.142	43	54400	20.936	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	47456	21.734	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	34990m	21.144	ug/l	
77) Bromobenzene	12.605	156	53561	21.008	ug/l	97
78) n-propylbenzene	12.672	91	269944	21.150	ug/l	98
79) 2-Chlorotoluene	12.751	91	151782	20.871	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	193309	21.351	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	15198	20.420	ug/l	92
82) 4-Chlorotoluene	12.855	91	157121	20.923	ug/l	98
83) tert-Butylbenzene	13.075	119	165759	20.471	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	192588	21.411	ug/l	99
85) sec-Butylbenzene	13.251	105	245209	20.677	ug/l	99
86) p-Isopropyltoluene	13.367	119	204645	20.650	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	108257	20.920	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	109084	21.299	ug/l	99
89) n-Butylbenzene	13.696	91	187900	20.654	ug/l	99
90) Hexachloroethane	13.959	117	40225	21.141	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	97346	21.118	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7973	21.882	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	58266	20.720	ug/l	98
94) Hexachlorobutadiene	15.111	225	35266	20.634	ug/l	99
95) Naphthalene	15.233	128	119297	21.055	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	51236	20.926	ug/l	98

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

