

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009082.D
 Acq On : 25 May 2022 12:11
 Operator : KP/MD
 Sample : VY0525SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0525SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/26/2022
 Supervised By :Mahesh Dadoda 05/26/2022

Quant Time: May 26 04:26:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	97467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	158671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	153140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	43510	43.375	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.740%		
35) Dibromofluoromethane	7.716	113	46631	47.260	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.520%		
50) Toluene-d8	10.179	98	150583	41.369	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	82.740%		
62) 4-Bromofluorobenzene	12.483	95	67768	46.153	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18448	20.694	ug/l	97
3) Chloromethane	2.113	50	28841	22.583	ug/l	100
4) Vinyl Chloride	2.253	62	43555	23.019	ug/l	97
5) Bromomethane	2.631	94	45351	24.452	ug/l	95
6) Chloroethane	2.784	64	31392	23.419	ug/l	100
7) Trichlorofluoromethane	3.119	101	34984	21.772	ug/l	91
8) Diethyl Ether	3.527	74	10918	21.730	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	21014	21.279	ug/l	93
10) Methyl Iodide	4.088	142	17725	17.382	ug/l	94
11) Tert butyl alcohol	4.948	59	10980	107.913	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	19233	20.980	ug/l #	77
13) Acrolein	3.722	56	4052	120.987	ug/l	93
14) Allyl chloride	4.472	41	27786	20.112	ug/l #	86
15) Acrylonitrile	5.161	53	29928	106.386	ug/l	98
16) Acetone	3.948	43	22726	108.838	ug/l	98
17) Carbon Disulfide	4.186	76	59738	19.946	ug/l	98
18) Methyl Acetate	4.472	43	14834	22.814	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	55908	20.318	ug/l	92
20) Methylene Chloride	4.710	84	26843	17.819	ug/l #	81
21) trans-1,2-Dichloroethene	5.210	96	23286	19.790	ug/l #	80
22) Diisopropyl ether	6.118	45	65371	19.695	ug/l	98
23) Vinyl Acetate	6.057	43	220987	100.651	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	40961	20.633	ug/l	98
25) 2-Butanone	6.984	43	39483	105.867	ug/l	94
26) 2,2-Dichloropropane	6.978	77	38588	21.101	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	25979	19.585	ug/l	91
28) Bromochloromethane	7.332	49	15134	22.210	ug/l	92
29) Tetrahydrofuran	7.350	42	25237	99.618	ug/l #	84
30) Chloroform	7.502	83	43321	20.215	ug/l	99
31) Cyclohexane	7.789	56	38061	19.395	ug/l	89
32) 1,1,1-Trichloroethane	7.703	97	39212	20.169	ug/l	99
36) 1,1-Dichloropropene	7.917	75	34555	20.579	ug/l	99
37) Ethyl Acetate	7.069	43	18925	21.727	ug/l	99
38) Carbon Tetrachloride	7.899	117	35691	20.319	ug/l	92
39) Methylcyclohexane	9.185	83	42080	19.415	ug/l #	86
40) Benzene	8.161	78	98124	20.265	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	7417	16.502	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	28644	20.146	ug/l	93
43) Isopropyl Acetate	8.270	43	33239	20.523	ug/l #	94
44) Trichloroethene	8.935	130	25335	19.761	ug/l	97
45) 1,2-Dichloropropane	9.215	63	23908	20.564	ug/l	98
46) Dibromomethane	9.301	93	15007	20.300	ug/l	90
47) Bromodichloromethane	9.496	83	34385	20.352	ug/l	100
48) Methyl methacrylate	9.289	41	14898	20.601	ug/l #	82
49) 1,4-Dioxane	9.295	88	3915	396.159	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	93951	104.818	ug/l	93
52) Toluene	10.246	92	64787	19.146	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	35221	19.631	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	39267	20.358	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	20363	19.688	ug/l	96
56) Ethyl methacrylate	10.508	69	24356	18.419	ug/l	91
57) 1,3-Dichloropropane	10.788	76	34249	20.300	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	57427	100.384	ug/l	97
59) 2-Hexanone	10.831	43	63572	103.590	ug/l	92
60) Dibromochloromethane	10.983	129	23876	19.044	ug/l	99
61) 1,2-Dibromoethane	11.087	107	19402	18.931	ug/l	100
64) Tetrachloroethene	10.715	164	21272	19.084	ug/l	98
65) Chlorobenzene	11.514	112	67841	19.301	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	24727	19.212	ug/l	97
67) Ethyl Benzene	11.593	91	120449	19.015	ug/l	98
68) m/p-Xylenes	11.703	106	98749	38.402	ug/l	91
69) o-Xylene	12.026	106	45060	18.870	ug/l	93
70) Styrene	12.044	104	75971	18.500	ug/l	95
71) Bromoform	12.209	173	15507	18.175	ug/l #	100
73) Isopropylbenzene	12.331	105	121308	19.731	ug/l	99
74) N-amyl acetate	12.142	43	32221	22.715	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	25865	20.423	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	15696m	17.777	ug/l	
77) Bromobenzene	12.611	156	27797	19.504	ug/l	98
78) n-propylbenzene	12.672	91	154666	21.774	ug/l	100
79) 2-Chlorotoluene	12.757	91	82019	20.018	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	104267	20.234	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	8436	19.610	ug/l	97
82) 4-Chlorotoluene	12.855	91	88529	20.202	ug/l	95
83) tert-Butylbenzene	13.074	119	88713	19.404	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	102035	19.946	ug/l	95
85) sec-Butylbenzene	13.251	105	141961	20.295	ug/l	99
86) p-Isopropyltoluene	13.367	119	117900	20.212	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	60455	19.886	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	60594	19.839	ug/l	98
89) n-Butylbenzene	13.696	91	113888	21.342	ug/l	97
90) Hexachloroethane	13.965	117	22360	20.455	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	53772	20.037	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4109	20.898	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	28287	19.206	ug/l	99
94) Hexachlorobutadiene	15.111	225	16500	20.555	ug/l	98
95) Naphthalene	15.239	128	56225	19.003	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	24671	19.276	ug/l	100

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

