

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051022\
 Data File : VY008671.D
 Acq On : 10 May 2022 11:23
 Operator : KP/MD
 Sample : VY0510SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0510SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/11/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 10 15:56:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 09 19:21:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	264911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	410926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	374927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	188807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104871	46.201	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.400%		
35) Dibromofluoromethane	7.710	113	116135	45.861	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.720%		
50) Toluene-d8	10.179	98	414659	46.467	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.940%		
62) 4-Bromofluorobenzene	12.483	95	150529	46.887	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	23762	17.162	ug/l	99
3) Chloromethane	2.113	50	29860	17.518	ug/l	98
4) Vinyl Chloride	2.259	62	40647	18.782	ug/l	98
5) Bromomethane	2.656	94	31099	17.881	ug/l	100
6) Chloroethane	2.796	64	26621	17.928	ug/l	97
7) Trichlorofluoromethane	3.125	101	48156	18.390	ug/l	94
8) Diethyl Ether	3.521	74	30299	18.290	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.905	101	49963	18.646	ug/l #	94
10) Methyl Iodide	4.088	142	81689	18.370	ug/l #	87
11) Tert butyl alcohol	4.954	59	20620	98.062	ug/l	97
12) 1,1-Dichloroethene	3.869	96	50697	18.282	ug/l #	77
13) Acrolein	3.722	56	23431	104.533	ug/l	98
14) Allyl chloride	4.472	41	63803	17.785	ug/l #	84
15) Acrylonitrile	5.155	53	66426	89.481	ug/l	98
16) Acetone	3.942	43	47499	88.696	ug/l #	84
17) Carbon Disulfide	4.192	76	135505	18.425	ug/l	99
18) Methyl Acetate	4.472	43	33121	19.921	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	92047	18.006	ug/l	92
20) Methylene Chloride	4.710	84	60994	18.755	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	58314	18.710	ug/l #	77
22) Diisopropyl ether	6.112	45	146102	18.814	ug/l #	88
23) Vinyl Acetate	6.051	43	458577	93.489	ug/l #	89
24) 1,1-Dichloroethane	6.009	63	91091	18.269	ug/l	97
25) 2-Butanone	6.984	43	77741	88.311	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	62072	18.622	ug/l	87
27) cis-1,2-Dichloroethene	6.978	96	65188	18.501	ug/l	77
28) Bromochloromethane	7.332	49	33182	18.766	ug/l #	71
29) Tetrahydrofuran	7.344	42	52769	89.692	ug/l #	77
30) Chloroform	7.502	83	97108	18.416	ug/l	99
31) Cyclohexane	7.783	56	82151	18.296	ug/l #	80
32) 1,1,1-Trichloroethane	7.697	97	80969	18.736	ug/l #	93
36) 1,1-Dichloropropene	7.917	75	75507	18.558	ug/l	94
37) Ethyl Acetate	7.069	43	36912	18.246	ug/l #	92
38) Carbon Tetrachloride	7.899	117	77987	18.951	ug/l	98
39) Methylcyclohexane	9.179	83	99431	18.896	ug/l #	83
40) Benzene	8.155	78	220454	18.649	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	20832m	19.152	ug/l	
42) 1,2-Dichloroethane	8.234	62	57791	18.859	ug/l	88
43) Isopropyl Acetate	8.270	43	67043	18.243	ug/l #	84
44) Trichloroethene	8.935	130	65768	19.064	ug/l	95
45) 1,2-Dichloropropane	9.215	63	53585	18.579	ug/l	95
46) Dibromomethane	9.301	93	33065	18.317	ug/l	93
47) Bromodichloromethane	9.496	83	75084	18.628	ug/l	99
48) Methyl methacrylate	9.289	41	30531	19.084	ug/l #	76
49) 1,4-Dioxane	9.295	88	7946	364.013	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	176791	91.978	ug/l #	83
52) Toluene	10.240	92	145947	18.965	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	80130	18.499	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	92015	18.615	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	48248	18.742	ug/l	97
56) Ethyl methacrylate	10.508	69	60021	18.425	ug/l #	70
57) 1,3-Dichloropropane	10.788	76	78777	18.708	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	142220	88.173	ug/l #	89
59) 2-Hexanone	10.831	43	120496	91.531	ug/l	80
60) Dibromochloromethane	10.983	129	57813	18.494	ug/l	99
61) 1,2-Dibromoethane	11.087	107	47824	18.852	ug/l	98
64) Tetrachloroethene	10.715	164	55403	18.959	ug/l	99
65) Chlorobenzene	11.514	112	159369	19.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	59050	18.958	ug/l	97
67) Ethyl Benzene	11.593	91	273916	19.005	ug/l	95
68) m/p-Xylenes	11.703	106	219084	37.991	ug/l	91
69) o-Xylene	12.032	106	103726	18.960	ug/l	89
70) Styrene	12.044	104	173389	19.088	ug/l	93
71) Bromoform	12.209	173	37350	18.606	ug/l #	99
73) Isopropylbenzene	12.331	105	269076	18.654	ug/l	98
74) N-amyl acetate	12.142	43	59502	18.372	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.581	83	55912	18.519	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	40993m	19.260	ug/l	
77) Bromobenzene	12.611	156	67460	18.692	ug/l	89
78) n-propylbenzene	12.672	91	325553	18.983	ug/l	97
79) 2-Chlorotoluene	12.757	91	179982	18.970	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	223001	19.088	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	19392	18.127	ug/l #	79
82) 4-Chlorotoluene	12.855	91	188030	19.111	ug/l	96
83) tert-Butylbenzene	13.074	119	200980	19.176	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	220974	19.152	ug/l	96
85) sec-Butylbenzene	13.251	105	297697	19.218	ug/l	98
86) p-Isopropyltoluene	13.367	119	248069	19.272	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	132152	18.929	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	132685	19.168	ug/l	98
89) n-Butylbenzene	13.696	91	228030	19.357	ug/l	99
90) Hexachloroethane	13.964	117	47654	19.068	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	117354	18.951	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8277	18.523	ug/l	69
93) 1,2,4-Trichlorobenzene	15.007	180	75731	19.144	ug/l	99
94) Hexachlorobutadiene	15.117	225	42583	19.645	ug/l	100
95) Naphthalene	15.239	128	152348	18.825	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	68600	19.678	ug/l	98

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

