

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022422\
 Data File : VY007618.D
 Acq On : 24 Feb 2022 14:57
 Operator : SY/MD
 Sample : VY0224SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/25/2022
 Supervised By : Mahesh Dadoda 02/25/2022

Quant Time: Feb 25 05:42:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	83105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	126171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	115934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	38945	42.125	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.260%		
35) Dibromofluoromethane	7.716	113	34366	43.167	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.340%		
50) Toluene-d8	10.179	98	114150	39.605	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	79.220%		
62) 4-Bromofluorobenzene	12.483	95	41610	41.335	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19646	19.114	ug/l	93
3) Chloromethane	2.113	50	20737	20.857	ug/l	99
4) Vinyl Chloride	2.253	62	23100	18.947	ug/l	97
5) Bromomethane	2.650	94	15253	18.302	ug/l	94
6) Chloroethane	2.796	64	14073	18.143	ug/l #	86
7) Trichlorofluoromethane	3.125	101	42306	17.989	ug/l	96
8) Diethyl Ether	3.527	74	10850	18.081	ug/l	58
9) 1,1,2-Trichlorotrifluo...	3.905	101	18012	17.827	ug/l	94
10) Methyl Iodide	4.094	142	22607	18.333	ug/l	97
11) Tert butyl alcohol	4.960	59	8160	87.635	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	16803	17.900	ug/l #	70
13) Acrolein	3.723	56	10771	90.523	ug/l	99
14) Allyl chloride	4.479	41	14897	17.166	ug/l #	60
15) Acrylonitrile	5.167	53	18398	88.903	ug/l	99
16) Acetone	3.948	43	20017	95.070	ug/l #	87
17) Carbon Disulfide	4.198	76	41609	17.835	ug/l	100
18) Methyl Acetate	4.472	43	8060	18.580	ug/l #	68
19) Methyl tert-butyl Ether	5.222	73	45920	18.201	ug/l #	86
20) Methylene Chloride	4.716	84	18572	16.789	ug/l #	73
21) trans-1,2-Dichloroethene	5.222	96	16805	17.943	ug/l #	76
22) Diisopropyl ether	6.118	45	32207	17.662	ug/l #	90
23) Vinyl Acetate	6.064	43	117111	89.021	ug/l #	76
24) 1,1-Dichloroethane	6.021	63	24031	17.257	ug/l #	92
25) 2-Butanone	6.984	43	21187	88.756	ug/l #	51
26) 2,2-Dichloropropane	6.978	77	27940	17.869	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	18204	16.746	ug/l	81
28) Bromochloromethane	7.332	49	8637	18.194	ug/l #	34
29) Tetrahydrofuran	7.350	42	12985	93.466	ug/l #	58
30) Chloroform	7.508	83	31414	17.622	ug/l	92
31) Cyclohexane	7.783	56	20173	18.642	ug/l #	71
32) 1,1,1-Trichloroethane	7.710	97	32228	18.178	ug/l	95
36) 1,1-Dichloropropene	7.917	75	20775	18.109	ug/l	91
37) Ethyl Acetate	7.076	43	9603	18.593	ug/l #	85
38) Carbon Tetrachloride	7.899	117	31465	18.729	ug/l	96
39) Methylcyclohexane	9.179	83	26979	19.434	ug/l #	84
40) Benzene	8.161	78	59403	18.148	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	5330m	18.712	ug/l	
42) 1,2-Dichloroethane	8.240	62	21302	17.766	ug/l	93
43) Isopropyl Acetate	8.277	43	19675	18.650	ug/l #	87
44) Trichloroethene	8.941	130	19959	17.970	ug/l	98
45) 1,2-Dichloropropane	9.215	63	12865	18.468	ug/l	94
46) Dibromomethane	9.307	93	10737	17.975	ug/l	95
47) Bromodichloromethane	9.496	83	23906	17.770	ug/l #	97
48) Methyl methacrylate	9.295	41	7946	17.861	ug/l #	50
49) 1,4-Dioxane	9.295	88	2796	367.890	ug/l #	70
51) 4-Methyl-2-Pentanone	10.069	43	48120	90.630	ug/l #	84
52) Toluene	10.246	92	38726	17.345	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	23537	17.436	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	25779	18.087	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	13820	17.963	ug/l	89
56) Ethyl methacrylate	10.508	69	16210	17.877	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	21605	18.302	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	38969	88.317	ug/l #	73
59) 2-Hexanone	10.831	43	35543	93.932	ug/l	90
60) Dibromochloromethane	10.983	129	19803	19.030	ug/l	97
61) 1,2-Dibromoethane	11.087	107	14330	18.510	ug/l	98
64) Tetrachloroethene	10.721	164	19092	20.012	ug/l	98
65) Chlorobenzene	11.514	112	45124	17.856	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.587	131	18286	18.263	ug/l	99
67) Ethyl Benzene	11.593	91	78245	18.462	ug/l	97
68) m/p-Xylenes	11.703	106	60621	36.523	ug/l	96
69) o-Xylene	12.026	106	30609	18.751	ug/l	91
70) Styrene	12.044	104	50797	18.602	ug/l	97
71) Bromoform	12.209	173	12341	18.608	ug/l #	97
73) Isopropylbenzene	12.331	105	81472	19.215	ug/l	99
74) N-amyl acetate	12.142	43	16998	20.586	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	14877	19.351	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	11421m	20.746	ug/l	
77) Bromobenzene	12.611	156	20706	18.734	ug/l	81
78) n-propylbenzene	12.672	91	94602	19.319	ug/l	94
79) 2-Chlorotoluene	12.758	91	50948	18.689	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	66698	18.492	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	4771	18.634	ug/l #	92
82) 4-Chlorotoluene	12.855	91	50634	18.213	ug/l	92
83) tert-Butylbenzene	13.075	119	59861	18.572	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	67355	19.052	ug/l	99
85) sec-Butylbenzene	13.251	105	85945	18.870	ug/l	97
86) p-Isopropyltoluene	13.367	119	73458	18.767	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	38498	18.750	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	37906	18.857	ug/l	100
89) n-Butylbenzene	13.696	91	66706	18.928	ug/l	96
90) Hexachloroethane	13.965	117	14604	18.510	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	34779	18.647	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2995	19.369	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	24752	19.032	ug/l	100
94) Hexachlorobutadiene	15.111	225	14098	19.537	ug/l	98
95) Naphthalene	15.239	128	51156	18.326	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	21251	18.914	ug/l	99

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

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