

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050222\
 Data File : VY008572.D
 Acq On : 02 May 2022 15:34
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 01:19:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:17:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	149549	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	222142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	207039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	12776	7.628	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	15.260%	#	
35) Dibromofluoromethane	7.716	113	12946	9.171	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.340%	#	
50) Toluene-d8	10.179	98	43017	8.391	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	16.780%	#	
62) 4-Bromofluorobenzene	12.483	95	16907	8.901	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	17.800%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	16522	12.173	ug/l	99
3) Chloromethane	2.113	50	18093	8.875	ug/l	92
4) Vinyl Chloride	2.253	62	21297	8.124	ug/l	100
5) Bromomethane	2.650	94	19079	7.862	ug/l	93
6) Chloroethane	2.796	64	13663	7.845	ug/l	97
7) Trichlorofluoromethane	3.125	101	29008	10.170	ug/l	99
8) Diethyl Ether	3.527	74	9231	9.556	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.899	101	16201	9.550	ug/l	91
10) Methyl Iodide	4.094	142	17091	8.411	ug/l	89
11) Tert butyl alcohol	4.948	59	9570	48.507	ug/l	# 87
12) 1,1-Dichloroethene	3.869	96	15110	9.466	ug/l	# 73
13) Acrolein	3.735	56	10315	55.143	ug/l	99
14) Allyl chloride	4.485	41	18296	8.885	ug/l	# 89
15) Acrylonitrile	5.155	53	21515	44.428	ug/l	97
16) Acetone	3.948	43	17112	44.247	ug/l	# 86
17) Carbon Disulfide	4.192	76	43663	9.145	ug/l	98
18) Methyl Acetate	4.479	43	9505	8.625	ug/l	# 76
19) Methyl tert-butyl Ether	5.216	73	43522	8.859	ug/l	96
20) Methylene Chloride	4.710	84	28001	11.157	ug/l	# 75
21) trans-1,2-Dichloroethene	5.222	96	16935	8.809	ug/l	# 79
22) Diisopropyl ether	6.118	45	42015	8.535	ug/l	# 92
23) Vinyl Acetate	6.057	43	143894	43.041	ug/l	# 87
24) 1,1-Dichloroethane	6.015	63	26735	8.705	ug/l	96
25) 2-Butanone	6.984	43	26151	43.454	ug/l	# 85
26) 2,2-Dichloropropane	6.978	77	25480	8.904	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	19767	9.009	ug/l	80
28) Bromochloromethane	7.338	49	9458	7.778	ug/l	# 52
29) Tetrahydrofuran	7.350	42	17527	44.868	ug/l	# 75
30) Chloroform	7.502	83	30362	8.986	ug/l	96
31) Cyclohexane	7.783	56	24839	8.794	ug/l	# 69
32) 1,1,1-Trichloroethane	7.704	97	27722	9.285	ug/l	# 92
36) 1,1-Dichloropropene	7.917	75	22605	9.941	ug/l	92
37) Ethyl Acetate	7.069	43	12345	9.959	ug/l	# 90
38) Carbon Tetrachloride	7.899	117	25928	10.803	ug/l	97
39) Methylcyclohexane	9.185	83	29062	9.930	ug/l	# 81
40) Benzene	8.161	78	64745	9.798	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	4892	8.171	ug/l #	60
42) 1,2-Dichloroethane	8.234	62	19538	9.922	ug/l	89
43) Isopropyl Acetate	8.271	43	21532	9.505	ug/l #	84
44) Trichloroethene	8.941	130	20622	11.060	ug/l	94
45) 1,2-Dichloropropane	9.215	63	15466	9.821	ug/l	99
46) Dibromomethane	9.307	93	10863	9.894	ug/l	91
47) Bromodichloromethane	9.496	83	23381	9.953	ug/l	97
48) Methyl methacrylate	9.295	41	9598	9.948	ug/l #	77
49) 1,4-Dioxane	9.301	88	2932	210.582	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	58173	48.869	ug/l #	86
52) Toluene	10.246	92	42424	9.698	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	24584	9.807	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	26842	9.600	ug/l #	81
55) 1,1,2-Trichloroethane	10.648	97	15100	10.038	ug/l	95
56) Ethyl methacrylate	10.508	69	18139	9.368	ug/l #	76
57) 1,3-Dichloropropane	10.794	76	24097	9.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	46570	44.295	ug/l #	86
59) 2-Hexanone	10.831	43	39868	48.809	ug/l	81
60) Dibromochloromethane	10.983	129	18447	10.505	ug/l	98
61) 1,2-Dibromoethane	11.087	107	15567	10.403	ug/l	99
64) Tetrachloroethene	10.721	164	18965	11.874	ug/l	95
65) Chlorobenzene	11.520	112	48606	10.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	18510	10.559	ug/l	98
67) Ethyl Benzene	11.593	91	81218	9.924	ug/l	96
68) m/p-Xylenes	11.703	106	65759	20.043	ug/l	91
69) o-Xylene	12.032	106	31590	10.007	ug/l	88
70) Styrene	12.044	104	51925	9.815	ug/l	94
71) Bromoform	12.209	173	12540	11.334	ug/l #	98
73) Isopropylbenzene	12.331	105	81248	9.792	ug/l	98
74) N-amyl acetate	12.148	43	18296	9.145	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.587	83	17498	9.700	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	11482m	8.525	ug/l	
77) Bromobenzene	12.611	156	22254	10.934	ug/l	82
78) n-propylbenzene	12.672	91	94865	9.593	ug/l	95
79) 2-Chlorotoluene	12.758	91	53918	9.691	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	68110	9.876	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	5713	9.572	ug/l #	81
82) 4-Chlorotoluene	12.855	91	56276	9.792	ug/l	93
83) tert-Butylbenzene	13.075	119	60104	9.989	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	67037	9.808	ug/l	95
85) sec-Butylbenzene	13.257	105	90507	10.032	ug/l	97
86) p-Isopropyltoluene	13.373	119	74769	9.830	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	42607	10.452	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	42477	10.520	ug/l	99
89) n-Butylbenzene	13.696	91	66550	9.740	ug/l	97
90) Hexachloroethane	13.965	117	14109	10.349	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	38593	10.632	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2761	10.159	ug/l	68
93) 1,2,4-Trichlorobenzene	15.007	180	24334	11.771	ug/l	99
94) Hexachlorobutadiene	15.117	225	13762	13.188	ug/l	97
95) Naphthalene	15.239	128	49452	10.832	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	22180	12.247	ug/l	100

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

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