

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080322\
 Data File : VY009814.D
 Acq On : 03 Aug 2022 12:12
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 04 00:46:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 04 00:44:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	41838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	69095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	67606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	32181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2392	5.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.580%#
35) Dibromofluoromethane	7.709	113	2268	5.384	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.760%#
50) Toluene-d8	10.172	98	7705	5.233	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	10.460%#
62) 4-Bromofluorobenzene	12.477	95	2593	4.545	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	9.100%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	2754	6.245	ug/l	99
3) Chloromethane	2.107	50	3706	6.127	ug/l	94
4) Vinyl Chloride	2.247	62	3759	5.927	ug/l #	87
5) Bromomethane	2.643	94	2734	6.362	ug/l	91
6) Chloroethane	2.783	64	2502	6.064	ug/l	93
7) Trichlorofluoromethane	3.113	101	4552	5.384	ug/l	99
8) Diethyl Ether	3.521	74	1306	5.134	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	2621	5.667	ug/l	95
10) Methyl Iodide	4.082	142	2419m	4.940	ug/l	
11) Tert butyl alcohol	4.942	59	1257m	28.942	ug/l	
12) 1,1-Dichloroethene	3.863	96	2342	5.543	ug/l	98
13) Acrolein	3.728	56	172	29.356	ug/l #	57
14) Allyl chloride	4.472	41	3455	4.873	ug/l	97
15) Acrylonitrile	5.155	53	3325	24.622	ug/l	95
16) Acetone	3.942	43	3482	29.401	ug/l	98
17) Carbon Disulfide	4.180	76	7630	5.794	ug/l	100
18) Methyl Acetate	4.460	43	1917	5.425	ug/l	95
19) Methyl tert-butyl Ether	5.210	73	4951	4.568	ug/l	95
20) Methylene Chloride	4.698	84	6249	8.482	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	2550	5.309	ug/l #	93
22) Diisopropyl ether	6.112	45	7197	4.585	ug/l #	98
23) Vinyl Acetate	6.057	43	21559	21.520	ug/l	98
24) 1,1-Dichloroethane	6.002	63	4372	5.146	ug/l #	88
25) 2-Butanone	6.978	43	5145	26.559	ug/l	93
26) 2,2-Dichloropropane	6.972	77	4601	5.826	ug/l	92
27) cis-1,2-Dichloroethene	6.978	96	2691	5.016	ug/l	89
28) Bromochloromethane	7.331	49	1810	5.465	ug/l #	93
29) Tetrahydrofuran	7.338	42	2868	22.987	ug/l	96
30) Chloroform	7.496	83	4699	5.285	ug/l	98
31) Cyclohexane	7.776	56	4515	5.703	ug/l #	76
32) 1,1,1-Trichloroethane	7.691	97	4019	5.217	ug/l	98
36) 1,1-Dichloropropene	7.905	75	3550	5.079	ug/l	98
37) Ethyl Acetate	7.069	43	2297	5.046	ug/l #	88
38) Carbon Tetrachloride	7.892	117	3759	5.114	ug/l #	87
39) Methylcyclohexane	9.179	83	4089	5.043	ug/l	89
40) Benzene	8.154	78	10886	5.135	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	1026m	2.243	ug/l	
42) 1,2-Dichloroethane	8.228	62	3068	5.040	ug/l	96
43) Isopropyl Acetate	8.270	43	3836	4.836	ug/l #	88
44) Trichloroethene	8.935	130	2873	5.085	ug/l	93
45) 1,2-Dichloropropane	9.209	63	2591	4.890	ug/l #	87
46) Dibromomethane	9.301	93	1698	5.199	ug/l	95
47) Bromodichloromethane	9.490	83	4205	5.571	ug/l #	81
48) Methyl methacrylate	9.288	41	1701	4.679	ug/l	93
49) 1,4-Dioxane	9.301	88	249	68.973	ug/l #	58
51) 4-Methyl-2-Pentanone	10.063	43	10322	23.070	ug/l	97
52) Toluene	10.239	92	6789	5.082	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	3437	4.646	ug/l	97
54) cis-1,3-Dichloropropene	9.922	75	4044	4.844	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	2150	4.913	ug/l	93
56) Ethyl methacrylate	10.502	69	2202	4.003	ug/l	95
57) 1,3-Dichloropropane	10.788	76	3661	4.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	5444	20.326	ug/l	95
59) 2-Hexanone	10.825	43	6737	21.732	ug/l	99
60) Dibromochloromethane	10.977	129	2610	4.987	ug/l	97
61) 1,2-Dibromoethane	11.081	107	2223	5.206	ug/l	94
64) Tetrachloroethene	10.715	164	2953	5.506	ug/l	98
65) Chlorobenzene	11.514	112	7571	5.155	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	2757	5.060	ug/l	94
67) Ethyl Benzene	11.587	91	11880	4.659	ug/l	100
68) m/p-Xylenes	11.697	106	8992	8.983	ug/l	97
69) o-Xylene	12.026	106	3891	4.350	ug/l	92
70) Styrene	12.044	104	6088	3.979	ug/l	95
71) Bromoform	12.203	173	1517	4.643	ug/l #	97
73) Isopropylbenzene	12.324	105	10008	4.477	ug/l	99
74) N-amyl acetate	12.142	43	2699	3.818	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	2578	5.117	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	2132m	3.561	ug/l	
77) Bromobenzene	12.605	156	2724	4.854	ug/l	98
78) n-propylbenzene	12.666	91	12343	4.377	ug/l	100
79) 2-Chlorotoluene	12.757	91	7224	4.600	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	8275	4.388	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	788	4.594	ug/l	97
82) 4-Chlorotoluene	12.855	91	7494	4.524	ug/l	97
83) tert-Butylbenzene	13.074	119	6855	4.253	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	7983	4.294	ug/l	99
85) sec-Butylbenzene	13.251	105	10979	4.456	ug/l	96
86) p-Isopropyltoluene	13.367	119	8771	4.389	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	5729	5.195	ug/l	95
88) 1,4-Dichlorobenzene	13.446	146	6108	5.442	ug/l	94
89) n-Butylbenzene	13.696	91	8766	4.480	ug/l	97
90) Hexachloroethane	13.952	117	2187	5.096	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	5022	4.976	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	420	5.319	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	2609	4.659	ug/l	97
94) Hexachlorobutadiene	15.111	225	1742	5.311	ug/l	97
95) Naphthalene	15.239	128	4442	3.996	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	2335	4.714	ug/l	91

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

