

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080322\
 Data File : VY009816.D
 Acq On : 03 Aug 2022 13:11
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 04 00:47:35 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	7.777	168	45748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	71219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	75327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	35989	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10934	24.192	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	48.380%#
35) Dibromofluoromethane	7.710	113	9777	22.516	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	45.040%#
50) Toluene-d8	10.179	98	37116	24.457	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	48.920%#
62) 4-Bromofluorobenzene	12.477	95	12877	21.900	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	43.800%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	9873	20.476	ug/l	98
3) Chloromethane	2.107	50	13938	21.074	ug/l	96
4) Vinyl Chloride	2.241	62	14016	20.212	ug/l	100
5) Bromomethane	2.631	94	9656	20.549	ug/l	99
6) Chloroethane	2.778	64	9595	21.268	ug/l	94
7) Trichlorofluoromethane	3.107	101	18901	20.444	ug/l	89
8) Diethyl Ether	3.515	74	5636	20.262	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.881	101	10276	20.319	ug/l	98
10) Methyl Iodide	4.076	142	11826	22.087	ug/l	99
11) Tert butyl alcohol	4.954	59	5388	113.456	ug/l	97
12) 1,1-Dichloroethene	3.850	96	9384	20.312	ug/l	95
13) Acrolein	3.722	56	916	142.977	ug/l	96
14) Allyl chloride	4.466	41	14880	19.195	ug/l	98
15) Acrylonitrile	5.143	53	15002	101.598	ug/l	99
16) Acetone	3.936	43	13298	102.687	ug/l	89
17) Carbon Disulfide	4.180	76	28906	20.073	ug/l	98
18) Methyl Acetate	4.472	43	8087	20.932	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	23996	20.248	ug/l	99
20) Methylene Chloride	4.698	84	15169	18.830	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	10433	19.864	ug/l	94
22) Diisopropyl ether	6.106	45	33628	19.592	ug/l	93
23) Vinyl Acetate	6.051	43	105529	96.333	ug/l	99
24) 1,1-Dichloroethane	6.009	63	18565	19.984	ug/l	97
25) 2-Butanone	6.978	43	21342	100.753	ug/l	99
26) 2,2-Dichloropropane	6.978	77	17704	20.501	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	11874	20.243	ug/l	97
28) Bromochloromethane	7.319	49	7029	19.407	ug/l #	98
29) Tetrahydrofuran	7.332	42	14003	102.639	ug/l	96
30) Chloroform	7.496	83	19453	20.011	ug/l	98
31) Cyclohexane	7.777	56	16242	18.763	ug/l #	84
32) 1,1,1-Trichloroethane	7.691	97	17170	20.382	ug/l	98
36) 1,1-Dichloropropene	7.911	75	14303	19.854	ug/l	97
37) Ethyl Acetate	7.069	43	9620	20.502	ug/l	99
38) Carbon Tetrachloride	7.886	117	15737	20.771	ug/l	95
39) Methylcyclohexane	9.179	83	15884	19.005	ug/l	95
40) Benzene	8.155	78	44662	20.437	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	4154	8.811	ug/l #	75
42) 1,2-Dichloroethane	8.228	62	13286	21.174	ug/l	97
43) Isopropyl Acetate	8.264	43	16186	19.798	ug/l	96
44) Trichloroethene	8.935	130	12056	20.701	ug/l	94
45) 1,2-Dichloropropane	9.209	63	10886	19.934	ug/l	93
46) Dibromomethane	9.301	93	6721	19.965	ug/l	98
47) Bromodichloromethane	9.490	83	15158	19.484	ug/l	97
48) Methyl methacrylate	9.289	41	7248	19.341	ug/l	95
49) 1,4-Dioxane	9.295	88	1504	404.182	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	46165	100.104	ug/l	99
52) Toluene	10.240	92	26795	19.459	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	15796	20.715	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	16903	19.642	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	9925	22.003	ug/l	98
56) Ethyl methacrylate	10.508	69	11451	20.194	ug/l	98
57) 1,3-Dichloropropane	10.788	76	15672	20.458	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	28970	104.937	ug/l	100
59) 2-Hexanone	10.831	43	33470	104.749	ug/l	98
60) Dibromochloromethane	10.983	129	11585	21.477	ug/l	98
61) 1,2-Dibromoethane	11.087	107	9035	20.528	ug/l	99
64) Tetrachloroethene	10.715	164	11957	20.008	ug/l	96
65) Chlorobenzene	11.514	112	32719	19.995	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	12362	20.361	ug/l	98
67) Ethyl Benzene	11.593	91	54685	19.246	ug/l	98
68) m/p-Xylenes	11.703	106	44458	39.859	ug/l	97
69) o-Xylene	12.026	106	19167	19.232	ug/l	97
70) Styrene	12.044	104	33126	19.431	ug/l	98
71) Bromoform	12.209	173	7361	20.218	ug/l #	98
73) Isopropylbenzene	12.325	105	50958	20.385	ug/l	99
74) N-amyl acetate	12.142	43	15298	19.353	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	11771	20.893	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	9359m	13.976	ug/l	
77) Bromobenzene	12.605	156	13646	21.743	ug/l	91
78) n-propylbenzene	12.666	91	63522	20.140	ug/l	98
79) 2-Chlorotoluene	12.751	91	35264	20.079	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	44546	21.124	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	3805	19.836	ug/l	99
82) 4-Chlorotoluene	12.849	91	38572	20.821	ug/l	97
83) tert-Butylbenzene	13.074	119	36115	20.036	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	43803	21.069	ug/l	98
85) sec-Butylbenzene	13.251	105	56243	20.411	ug/l	99
86) p-Isopropyltoluene	13.367	119	43432	19.436	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	24646	19.985	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	24671	19.654	ug/l	98
89) n-Butylbenzene	13.696	91	41880	19.137	ug/l	99
90) Hexachloroethane	13.958	117	9636	20.076	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	23319	20.659	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1613	18.265	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	12470	19.913	ug/l	97
94) Hexachlorobutadiene	15.111	225	7572	20.643	ug/l	97
95) Naphthalene	15.233	128	24385	19.613	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	11173	20.172	ug/l	97

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

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