

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051222\
 Data File : VY008734.D
 Acq On : 12 May 2022 15:26
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 13 01:37:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 01:36:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	187466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	315331	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	286026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130099	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	49 - 140	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.906	85	9775	6.087	ug/l	98
3) Chloromethane	2.113	50	18944	8.848	ug/l	95
4) Vinyl Chloride	2.247	62	23375	8.146	ug/l	94
5) Bromomethane	2.650	94	27967	11.582	ug/l	93
6) Chloroethane	2.790	64	15815	8.280	ug/l	89
7) Trichlorofluoromethane	3.119	101	18196	5.392	ug/l	94
8) Diethyl Ether	3.521	74	5596	5.189	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	10939	5.273	ug/l	96
10) Methyl Iodide	4.088	142	6902	3.303	ug/l	95
11) Tert butyl alcohol	4.918	59	25796	133.965	ug/l #	76
12) 1,1-Dichloroethene	3.863	96	10057	5.245	ug/l	92
13) Acrolein	3.735	56	3534	23.943	ug/l	98
14) Allyl chloride	4.479	41	14220	5.609	ug/l	94
15) Acrylonitrile	5.161	53	14502	28.253	ug/l	97
16) Acetone	3.942	43	13872	33.803	ug/l #	85
17) Carbon Disulfide	4.186	76	28925	5.374	ug/l	100
18) Methyl Acetate	4.472	43	12258	8.680	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	27968	5.121	ug/l	99
20) Methylene Chloride	4.704	84	25570	10.294	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	11636	5.216	ug/l	93
22) Diisopropyl ether	6.106	45	30001	5.417	ug/l	96
23) Vinyl Acetate	6.058	43	69082	20.275	ug/l	99
24) 1,1-Dichloroethane	6.015	63	20389	5.590	ug/l	97
25) 2-Butanone	6.984	43	18889	29.916	ug/l	99
26) 2,2-Dichloropropane	6.978	77	18741	5.412	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	12594	4.848	ug/l	93
28) Bromochloromethane	7.332	49	8489	6.755	ug/l	98
29) Tetrahydrofuran	7.344	42	11872	28.904	ug/l	95
30) Chloroform	7.502	83	21138	5.354	ug/l	98
31) Cyclohexane	7.783	56	21350	6.215	ug/l #	78
32) 1,1,1-Trichloroethane	7.704	97	19000	5.233	ug/l	97
36) 1,1-Dichloropropene	7.917	75	15820	5.218	ug/l	98
37) Ethyl Acetate	7.070	43	8780	6.268	ug/l #	94
38) Carbon Tetrachloride	7.899	117	16217	4.927	ug/l	95
39) Methylcyclohexane	9.179	83	19408	4.771	ug/l	97
40) Benzene	8.155	78	46122	5.301	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	4021m	5.500	ug/l	
42) 1,2-Dichloroethane	8.234	62	13470	5.528	ug/l	99
43) Isopropyl Acetate	8.271	43	15086	5.436	ug/l	98
44) Trichloroethene	8.935	130	11908	4.771	ug/l	87
45) 1,2-Dichloropropane	9.216	63	11027	5.354	ug/l	97
46) Dibromomethane	9.301	93	7157	5.345	ug/l	99
47) Bromodichloromethane	9.496	83	16693	5.422	ug/l #	98
48) Methyl methacrylate	9.289	41	6408	5.256	ug/l	96
49) 1,4-Dioxane	9.295	88	1756	101.289	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	41309	29.425	ug/l	95
52) Toluene	10.240	92	29114	5.091	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	16278	5.163	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	19290	5.418	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	9153	4.963	ug/l	94
56) Ethyl methacrylate	10.508	69	11197	4.687	ug/l	90
57) 1,3-Dichloropropane	10.788	76	15696	5.179	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.783	63	31576	29.918	ug/l	100
59) 2-Hexanone	10.831	43	27161	27.828	ug/l	96
60) Dibromochloromethane	10.983	129	11032	4.923	ug/l	99
61) 1,2-Dibromoethane	11.087	107	8925	4.917	ug/l	97
64) Tetrachloroethene	10.715	164	11735	5.449	ug/l	90
65) Chlorobenzene	11.514	112	30800	4.908	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	11069	4.774	ug/l	96
67) Ethyl Benzene	11.593	91	53127	4.781	ug/l	98
68) m/p-Xylenes	11.703	106	41307	9.341	ug/l	97
69) o-Xylene	12.026	106	19397	4.606	ug/l	98
70) Styrene	12.044	104	30526	4.395	ug/l	97
71) Bromoform	12.209	173	6287	4.554	ug/l #	96
73) Isopropylbenzene	12.331	105	50521	4.824	ug/l	98
74) N-amyl acetate	12.142	43	12272	5.320	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	11887	5.909	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	7088m	4.623	ug/l	
77) Bromobenzene	12.611	156	12156	5.126	ug/l	97
78) n-propylbenzene	12.672	91	61843	4.978	ug/l	97
79) 2-Chlorotoluene	12.758	91	33899	4.950	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	39689	4.610	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	3643	5.300	ug/l	93
82) 4-Chlorotoluene	12.855	91	35539	5.017	ug/l	98
83) tert-Butylbenzene	13.075	119	35661	4.674	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	39127	4.642	ug/l	100
85) sec-Butylbenzene	13.257	105	54168	4.753	ug/l	99
86) p-Isopropyltoluene	13.367	119	42705	4.510	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	24244	5.075	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	24574	5.174	ug/l	94
89) n-Butylbenzene	13.696	91	43484	4.967	ug/l	96
90) Hexachloroethane	13.965	117	8266	4.564	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	21417	5.130	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1763	5.562	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	12251	4.964	ug/l	97
94) Hexachlorobutadiene	15.117	225	6186	4.696	ug/l	94
95) Naphthalene	15.239	128	26813	4.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	11451	5.365	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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