

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008773.D
 Acq On : 17 May 2022 14:50
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 02:22:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 02:20:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	72458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	115241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	101650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	46043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	3276	4.109	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.220%#		
35) Dibromofluoromethane	7.710	113	3371	4.740	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.480%#		
50) Toluene-d8	10.179	98	10988	4.007	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	8.020%#		
62) 4-Bromofluorobenzene	12.477	95	3587	3.686	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	7.380%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3525	6.015	ug/l	95
3) Chloromethane	2.113	50	5987	7.303	ug/l	94
4) Vinyl Chloride	2.253	62	7668	7.742	ug/l	92
5) Bromomethane	2.650	94	4367	5.717	ug/l	100
6) Chloroethane	2.790	64	5294	8.004	ug/l	93
7) Trichlorofluoromethane	3.125	101	6891	5.611	ug/l	99
8) Diethyl Ether	3.528	74	1916	4.442	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	3962	5.104	ug/l	96
10) Methyl Iodide	4.095	142	3578	4.610	ug/l #	94
11) Tert butyl alcohol	4.948	59	1859	23.553	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	3441	4.750	ug/l #	76
13) Acrolein	3.723	56	1234	16.498	ug/l	96
14) Allyl chloride	4.473	41	4989	4.230	ug/l #	89
15) Acrylonitrile	5.161	53	5542	23.950	ug/l	98
16) Acetone	3.942	43	5423	27.340	ug/l	93
17) Carbon Disulfide	4.192	76	11122	5.415	ug/l	98
18) Methyl Acetate	4.479	43	3099	5.051	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	8212	3.763	ug/l #	90
20) Methylene Chloride	4.710	84	6787	7.344	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	4063	4.785	ug/l	93
22) Diisopropyl ether	6.112	45	8988	3.595	ug/l #	84
23) Vinyl Acetate	6.058	43	31949	20.140	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	7108	4.790	ug/l	100
25) 2-Butanone	6.984	43	6995	22.892	ug/l #	80
26) 2,2-Dichloropropane	6.972	77	6417	4.677	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	4281	4.436	ug/l	91
28) Bromochloromethane	7.320	49	2480	4.289	ug/l #	91
29) Tetrahydrofuran	7.344	42	4581	23.256	ug/l #	88
30) Chloroform	7.503	83	7463	4.840	ug/l	91
31) Cyclohexane	7.777	56	7428	5.220	ug/l #	81
32) 1,1,1-Trichloroethane	7.704	97	6798	4.880	ug/l	99
36) 1,1-Dichloropropene	7.917	75	5988	5.462	ug/l	98
37) Ethyl Acetate	7.070	43	3490	5.698	ug/l #	94
38) Carbon Tetrachloride	7.899	117	6173	5.428	ug/l	97
39) Methylcyclohexane	9.185	83	6410	4.515	ug/l	89
40) Benzene	8.161	78	15438	4.953	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	1705m	5.204	ug/l	
42) 1,2-Dichloroethane	8.234	62	4864	5.331	ug/l	94
43) Isopropyl Acetate	8.271	43	5206	4.412	ug/l #	88
44) Trichloroethene	8.935	130	4368	5.203	ug/l	83
45) 1,2-Dichloropropane	9.216	63	3993	5.088	ug/l #	89
46) Dibromomethane	9.301	93	2394	5.048	ug/l	91
47) Bromodichloromethane	9.496	83	5554	5.022	ug/l	97
48) Methyl methacrylate	9.295	41	2352	4.569	ug/l	87
49) 1,4-Dioxane	9.301	88	596	92.662	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	14648	24.161	ug/l	92
52) Toluene	10.240	92	9543	4.714	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	5126	4.398	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	5723	4.373	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	3060	4.599	ug/l	96
56) Ethyl methacrylate	10.508	69	3159	3.522	ug/l	94
57) 1,3-Dichloropropane	10.788	76	5375	4.788	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	8286	19.735	ug/l	93
59) 2-Hexanone	10.831	43	10205	23.467	ug/l	98
60) Dibromochloromethane	10.984	129	3651	4.720	ug/l	96
61) 1,2-Dibromoethane	11.093	107	3023	4.681	ug/l	91
64) Tetrachloroethene	10.721	164	3443	5.078	ug/l	94
65) Chlorobenzene	11.514	112	10573	5.013	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	3628	4.745	ug/l	95
67) Ethyl Benzene	11.593	91	17978	4.714	ug/l	98
68) m/p-Xylenes	11.703	106	13226	8.966	ug/l	91
69) o-Xylene	12.026	106	5879	4.172	ug/l	99
70) Styrene	12.044	104	9526	4.068	ug/l	95
71) Bromoform	12.209	173	2281	4.859	ug/l #	93
73) Isopropylbenzene	12.331	105	16511	4.599	ug/l	100
74) N-amyl acetate	12.142	43	4114	4.243	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	3920	5.358	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	3044m	5.643	ug/l	
77) Bromobenzene	12.611	156	4130	5.256	ug/l	91
78) n-propylbenzene	12.672	91	20442	4.718	ug/l	99
79) 2-Chlorotoluene	12.758	91	11026	4.561	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	12408	4.218	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.380	75	1354	5.164	ug/l	86
82) 4-Chlorotoluene	12.855	91	11606	4.659	ug/l	100
83) tert-Butylbenzene	13.075	119	11508	4.382	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	11975	4.089	ug/l	96
85) sec-Butylbenzene	13.258	105	18161	4.627	ug/l	99
86) p-Isopropyltoluene	13.373	119	14052	4.399	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	8176	5.176	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	7946	5.020	ug/l	93
89) n-Butylbenzene	13.697	91	14439	4.705	ug/l	97
90) Hexachloroethane	13.965	117	2825	4.509	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	6844	4.839	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	666	5.584	ug/l	84
93) 1,2,4-Trichlorobenzene	15.013	180	3741	4.551	ug/l	95
94) Hexachlorobutadiene	15.117	225	2522	5.881	ug/l	96
95) Naphthalene	15.239	128	7815	3.535	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	3311	4.593	ug/l	95

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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

