

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007593.D
 Acq On : 23 Feb 2022 12:13
 Operator : SY/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 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 23 15:09:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 15:09:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	85624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	134694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	124390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4654	5.263	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.520%#		
35) Dibromofluoromethane	7.722	113	4165	4.957	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.920%#		
50) Toluene-d8	10.179	98	14997	5.129	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.260%#		
62) 4-Bromofluorobenzene	12.483	95	5864	5.580	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	6084	5.606	ug/l	93
3) Chloromethane	2.113	50	6633	6.860	ug/l	97
4) Vinyl Chloride	2.253	62	6847	6.675	ug/l #	88
5) Bromomethane	2.656	94	6094	7.915	ug/l	98
6) Chloroethane	2.796	64	4447	6.853	ug/l #	83
7) Trichlorofluoromethane	3.125	101	14122	6.372	ug/l	95
8) Diethyl Ether	3.527	74	3223	5.933	ug/l	51
9) 1,1,2-Trichlorotrifluo...	3.893	101	6001	5.859	ug/l	95
10) Methyl Iodide	4.088	142	6112	5.059	ug/l	90
11) Tert butyl alcohol	4.954	59	2253	27.497	ug/l #	84
12) 1,1-Dichloroethene	3.875	96	5233	5.669	ug/l #	76
13) Acrolein	3.735	56	2622	35.463	ug/l	96
14) Allyl chloride	4.478	41	4572	4.899	ug/l #	53
15) Acrylonitrile	5.161	53	5230	26.542	ug/l #	90
16) Acetone	3.948	43	5205	24.913	ug/l #	87
17) Carbon Disulfide	4.198	76	14228	5.982	ug/l	98
18) Methyl Acetate	4.478	43	3063	6.667	ug/l #	64
19) Methyl tert-butyl Ether	5.222	73	13209	5.306	ug/l	97
20) Methylene Chloride	4.716	84	7253	6.925	ug/l #	70
21) trans-1,2-Dichloroethene	5.216	96	5441	5.854	ug/l #	76
22) Diisopropyl ether	6.118	45	10125	5.377	ug/l #	89
23) Vinyl Acetate	6.064	43	31101	24.076	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	7601	5.306	ug/l	96
25) 2-Butanone	6.984	43	5631	24.312	ug/l #	63
26) 2,2-Dichloropropane	6.978	77	8687	5.424	ug/l	94
27) cis-1,2-Dichloroethene	6.996	96	5955	5.640	ug/l	79
28) Bromochloromethane	7.338	49	2399	5.063	ug/l #	17
29) Tetrahydrofuran	7.344	42	3485	25.934	ug/l #	55
30) Chloroform	7.502	83	9801	5.537	ug/l	92
31) Cyclohexane	7.783	56	8601	6.856	ug/l #	64
32) 1,1,1-Trichloroethane	7.710	97	9971	5.545	ug/l	94
36) 1,1-Dichloropropene	7.917	75	7115	5.654	ug/l	91
37) Ethyl Acetate	7.082	43	2763	5.383	ug/l #	90
38) Carbon Tetrachloride	7.899	117	10021	5.763	ug/l	91
39) Methylcyclohexane	9.179	83	9426	5.915	ug/l #	81
40) Benzene	8.161	78	19493	5.724	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	1497m	5.505	ug/l	
42) 1,2-Dichloroethane	8.240	62	6583	5.548	ug/l	95
43) Isopropyl Acetate	8.264	43	5412	5.140	ug/l #	81
44) Trichloroethene	8.935	130	7284	6.371	ug/l	80
45) 1,2-Dichloropropane	9.215	63	3969	5.267	ug/l #	81
46) Dibromomethane	9.301	93	3358	5.696	ug/l	97
47) Bromodichloromethane	9.496	83	7699	5.564	ug/l #	85
48) Methyl methacrylate	9.295	41	2282	5.091	ug/l #	59
49) 1,4-Dioxane	9.289	88	799	118.000	ug/l #	65
51) 4-Methyl-2-Pentanone	10.069	43	13374	25.516	ug/l	89
52) Toluene	10.240	92	13804	5.918	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	7848	5.622	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	7746	5.252	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	4142	5.474	ug/l	92
56) Ethyl methacrylate	10.508	69	4675	5.072	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	6494	5.381	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	10210	22.991	ug/l #	74
59) 2-Hexanone	10.831	43	9771	25.768	ug/l	91
60) Dibromochloromethane	10.983	129	5336	5.143	ug/l	87
61) 1,2-Dibromoethane	11.087	107	4332	5.631	ug/l	98
64) Tetrachloroethene	10.721	164	6797	6.497	ug/l	98
65) Chlorobenzene	11.514	112	15615	5.894	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	5760	5.456	ug/l	98
67) Ethyl Benzene	11.593	91	26166	5.637	ug/l	93
68) m/p-Xylenes	11.703	106	20965	11.728	ug/l	95
69) o-Xylene	12.032	106	10000	5.811	ug/l	99
70) Styrene	12.038	104	16944	5.913	ug/l	95
71) Bromoform	12.209	173	3792	5.697	ug/l #	99
73) Isopropylbenzene	12.331	105	28889	5.642	ug/l	100
74) N-amyl acetate	12.142	43	4335	4.483	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.587	83	4244	4.893	ug/l #	96
76) 1,2,3-Trichloropropane	12.629	75	3312	4.585	ug/l #	100
77) Bromobenzene	12.611	156	7252	5.921	ug/l	77
78) n-propylbenzene	12.672	91	32921	5.513	ug/l	97
79) 2-Chlorotoluene	12.757	91	18851	5.675	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	23730	5.517	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	1455	4.825	ug/l	93
82) 4-Chlorotoluene	12.855	91	18462	5.447	ug/l	92
83) tert-Butylbenzene	13.075	119	21399	5.556	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	23524	5.576	ug/l	95
85) sec-Butylbenzene	13.251	105	31218	5.633	ug/l	97
86) p-Isopropyltoluene	13.367	119	26783	5.674	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	13616	5.838	ug/l	94
88) 1,4-Dichlorobenzene	13.446	146	13290	5.794	ug/l	96
89) n-Butylbenzene	13.696	91	23966	5.593	ug/l	95
90) Hexachloroethane	13.958	117	5336	5.683	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	11984	5.769	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	808	4.761	ug/l	64
93) 1,2,4-Trichlorobenzene	15.007	180	8504	6.014	ug/l	94
94) Hexachlorobutadiene	15.111	225	4687	5.565	ug/l	95
95) Naphthalene	15.233	128	15942	5.487	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	6742	5.523	ug/l	92

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

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