

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070722\
 Data File : VY009466.D
 Acq On : 07 Jul 2022 12:14
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
 Supervised By :Semsettin Yesilyurt 07/08/2022

Quant Time: Jul 08 01:30:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 01:24:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	170007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	254917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	35033	24.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	48.220%#		
35) Dibromofluoromethane	7.710	113	31750	22.173	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	44.340%#		
50) Toluene-d8	10.173	98	128994	26.222	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	52.440%#		
62) 4-Bromofluorobenzene	12.477	95	45869	22.693	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	45.380%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23607	18.107	ug/l	99
3) Chloromethane	2.107	50	25150	17.274	ug/l	100
4) Vinyl Chloride	2.241	62	30666	18.500	ug/l	95
5) Bromomethane	2.625	94	21652	18.182	ug/l	92
6) Chloroethane	2.778	64	18212	18.819	ug/l	92
7) Trichlorofluoromethane	3.107	101	44057	19.908	ug/l	96
8) Diethyl Ether	3.515	74	14071	16.619	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.893	101	25649	17.106	ug/l	92
10) Methyl Iodide	4.076	142	32568	18.305	ug/l	91
11) Tert butyl alcohol	4.936	59	21733	83.026	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	23870	17.163	ug/l #	76
13) Acrolein	3.723	56	5566	52.143	ug/l	98
14) Allyl chloride	4.473	41	32281	13.491	ug/l #	93
15) Acrylonitrile	5.149	53	31917	68.508	ug/l	98
16) Acetone	3.942	43	26449	63.953	ug/l	92
17) Carbon Disulfide	4.180	76	50408	12.878	ug/l #	95
18) Methyl Acetate	4.466	43	16143	13.294	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	67093	15.939	ug/l	91
20) Methylene Chloride	4.704	84	37503	16.110	ug/l #	79
21) trans-1,2-Dichloroethene	5.204	96	24916	15.290	ug/l	87
22) Diisopropyl ether	6.112	45	71865	14.127	ug/l #	94
23) Vinyl Acetate	6.052	43	224593	69.049	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	44466	15.500	ug/l	96
25) 2-Butanone	6.978	43	41589	62.164	ug/l #	81
26) 2,2-Dichloropropane	6.972	77	45581	16.121	ug/l	96
27) cis-1,2-Dichloroethene	6.972	96	31533	16.436	ug/l	83
28) Bromochloromethane	7.320	49	21044	17.453	ug/l	86
29) Tetrahydrofuran	7.338	42	35240	81.438	ug/l	93
30) Chloroform	7.496	83	60090	19.139	ug/l	96
31) Cyclohexane	7.777	56	47802	17.138	ug/l	86
32) 1,1,1-Trichloroethane	7.698	97	53417	19.297	ug/l	97
36) 1,1-Dichloropropene	7.911	75	42677	18.307	ug/l	98
37) Ethyl Acetate	7.064	43	19646	13.444	ug/l #	94
38) Carbon Tetrachloride	7.893	117	48529	19.465	ug/l	100
39) Methylcyclohexane	9.179	83	49138	17.560	ug/l	94
40) Benzene	8.155	78	130055	18.999	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	11885m	8.746	ug/l	
42) 1,2-Dichloroethane	8.234	62	40510	19.711	ug/l	93
43) Isopropyl Acetate	8.265	43	52315	19.187	ug/l	97
44) Trichloroethene	8.935	130	36331	18.787	ug/l	98
45) 1,2-Dichloropropane	9.209	63	32452	18.732	ug/l	90
46) Dibromomethane	9.301	93	19166	18.850	ug/l	96
47) Bromodichloromethane	9.490	83	48032	19.847	ug/l	99
48) Methyl methacrylate	9.289	41	22668	19.297	ug/l	91
49) 1,4-Dioxane	9.295	88	5450	363.967	ug/l	95
51) 4-Methyl-2-Pentanone	10.063	43	140266	97.824	ug/l	95
52) Toluene	10.240	92	86128	19.744	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	49700	19.487	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	54363	19.116	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	28112	19.165	ug/l	97
56) Ethyl methacrylate	10.502	69	37914	19.468	ug/l	88
57) 1,3-Dichloropropane	10.788	76	48018	19.857	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	91877	96.576	ug/l	96
59) 2-Hexanone	10.825	43	95414	96.032	ug/l	94
60) Dibromochloromethane	10.977	129	34939	19.669	ug/l	99
61) 1,2-Dibromoethane	11.081	107	27182	19.330	ug/l	100
64) Tetrachloroethene	10.715	164	41880	19.650	ug/l	98
65) Chlorobenzene	11.508	112	96991	19.373	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	36653	19.462	ug/l	96
67) Ethyl Benzene	11.587	91	169635	19.408	ug/l	98
68) m/p-Xylenes	11.697	106	135317	39.696	ug/l	91
69) o-Xylene	12.026	106	64498	19.740	ug/l	90
70) Styrene	12.038	104	110392	20.228	ug/l	94
71) Bromoform	12.203	173	23372	19.471	ug/l #	95
73) Isopropylbenzene	12.325	105	170984	18.744	ug/l	100
74) N-amyl acetate	12.142	43	49706	19.152	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	32282	17.675	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	27981m	11.894	ug/l	
77) Bromobenzene	12.605	156	42317	19.056	ug/l	94
78) n-propylbenzene	12.666	91	209868	19.044	ug/l	98
79) 2-Chlorotoluene	12.752	91	118746	19.246	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	146482	19.212	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	12397	17.970	ug/l	88
82) 4-Chlorotoluene	12.849	91	125085	19.345	ug/l	97
83) tert-Butylbenzene	13.069	119	130825	19.286	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	148558	19.575	ug/l	97
85) sec-Butylbenzene	13.251	105	195554	19.575	ug/l	99
86) p-Isopropyltoluene	13.367	119	162603	19.526	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	84573	19.294	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	87331	19.685	ug/l	98
89) n-Butylbenzene	13.690	91	153383	19.724	ug/l	98
90) Hexachloroethane	13.959	117	31186	19.087	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	78419	19.526	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5755	17.977	ug/l	84
93) 1,2,4-Trichlorobenzene	15.001	180	44241	18.061	ug/l	97
94) Hexachlorobutadiene	15.111	225	25974	19.288	ug/l	98
95) Naphthalene	15.233	128	88366	17.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	38990	18.378	ug/l	99

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

