

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062122\
 Data File : VY009254.D
 Acq On : 21 Jun 2022 13:18
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2022
 Supervised By :Semsettin Yesilyurt 06/23/2022

Quant Time: Jun 21 13:40:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 13:33:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	183204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	295132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	254590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	181539	94.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 189.620%#			
35) Dibromofluoromethane	7.716	113	181960	98.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.440%#			
50) Toluene-d8	10.179	98	653395	92.834	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 185.660%#			
62) 4-Bromofluorobenzene	12.477	95	232456	93.083	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 186.160%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	120243	87.790	ug/l	98
3) Chloromethane	2.107	50	147577	86.746	ug/l	95
4) Vinyl Chloride	2.247	62	160055	89.202	ug/l	99
5) Bromomethane	2.625	94	110348	87.474	ug/l	98
6) Chloroethane	2.784	64	106319	94.413	ug/l	98
7) Trichlorofluoromethane	3.113	101	265535	92.836	ug/l	94
8) Diethyl Ether	3.528	74	106335	98.262	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	177760	100.489	ug/l	95
10) Methyl Iodide	4.082	142	239990	106.641	ug/l #	88
11) Tert butyl alcohol	4.954	59	117044	382.492	ug/l	99
12) 1,1-Dichloroethene	3.863	96	172461	100.047	ug/l	83
13) Acrolein	3.723	56	54099	744.875	ug/l	98
14) Allyl chloride	4.472	41	313007	100.471	ug/l	90
15) Acrylonitrile	5.155	53	290190	499.387	ug/l	97
16) Acetone	3.942	43	243139	506.728	ug/l #	89
17) Carbon Disulfide	4.186	76	480826	96.710	ug/l	99
18) Methyl Acetate	4.472	43	133521	83.672	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	531009	101.282	ug/l	96
20) Methylene Chloride	4.710	84	224463	90.185	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	204682	100.827	ug/l	89
22) Diisopropyl ether	6.112	45	592721	91.052	ug/l #	93
23) Vinyl Acetate	6.051	43	1977264	485.640	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	361642	98.717	ug/l	99
25) 2-Butanone	6.978	43	362662	476.148	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	327251	100.217	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	236915	98.995	ug/l	87
28) Bromochloromethane	7.332	49	148788	94.715	ug/l #	80
29) Tetrahydrofuran	7.344	42	230160	457.220	ug/l	88
30) Chloroform	7.502	83	374391	99.175	ug/l	100
31) Cyclohexane	7.777	56	310878	90.987	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	335338	101.425	ug/l	95
36) 1,1-Dichloropropene	7.911	75	280160	99.149	ug/l	96
37) Ethyl Acetate	7.070	43	158889	94.379	ug/l #	94
38) Carbon Tetrachloride	7.893	117	299744	102.314	ug/l	99
39) Methylcyclohexane	9.179	83	346034	101.301	ug/l	90
40) Benzene	8.155	78	809855	97.316	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	94957m	104.351	ug/l	
42) 1,2-Dichloroethane	8.234	62	235066	97.292	ug/l	92
43) Isopropyl Acetate	8.271	43	298845	95.944	ug/l #	90
44) Trichloroethene	8.935	130	231593	97.640	ug/l	99
45) 1,2-Dichloropropane	9.216	63	204143	96.614	ug/l	95
46) Dibromomethane	9.301	93	118209	97.812	ug/l	98
47) Bromodichloromethane	9.490	83	287319	99.468	ug/l	98
48) Methyl methacrylate	9.289	41	136319	98.781	ug/l #	89
49) 1,4-Dioxane	9.295	88	32789	1925.843	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	752954	460.273	ug/l	91
52) Toluene	10.240	92	501816	94.630	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	297863	98.384	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	339843	99.092	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	162360	94.787	ug/l	99
56) Ethyl methacrylate	10.508	69	230228	99.621	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	280238	96.031	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	453752	449.334	ug/l	93
59) 2-Hexanone	10.831	43	527617	469.772	ug/l	90
60) Dibromochloromethane	10.983	129	206593	98.504	ug/l	99
61) 1,2-Dibromoethane	11.087	107	163200	98.495	ug/l	99
64) Tetrachloroethene	10.715	164	230788	98.184	ug/l	98
65) Chlorobenzene	11.514	112	550545	100.149	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	204731	101.640	ug/l	98
67) Ethyl Benzene	11.593	91	964304	100.545	ug/l	97
68) m/p-Xylenes	11.703	106	751749	198.978	ug/l	94
69) o-Xylene	12.026	106	366466	102.100	ug/l	91
70) Styrene	12.044	104	612584	101.929	ug/l	96
71) Bromoform	12.209	173	129853	101.298	ug/l #	99
73) Isopropylbenzene	12.325	105	960247	102.092	ug/l	99
74) N-amyl acetate	12.142	43	259441	99.753	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	178240	96.320	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	136725m	98.745	ug/l	
77) Bromobenzene	12.605	156	228185	98.981	ug/l	93
78) n-propylbenzene	12.672	91	1146890	100.855	ug/l	97
79) 2-Chlorotoluene	12.758	91	644857	100.495	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	797789	101.710	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	68163	98.882	ug/l	88
82) 4-Chlorotoluene	12.855	91	672251	100.479	ug/l	97
83) tert-Butylbenzene	13.075	119	704195	102.410	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	785143	101.992	ug/l	98
85) sec-Butylbenzene	13.251	105	1040910	101.840	ug/l	98
86) p-Isopropyltoluene	13.367	119	874252	103.112	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	442898	99.714	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	441241	98.047	ug/l	99
89) n-Butylbenzene	13.696	91	806552	100.811	ug/l	98
90) Hexachloroethane	13.959	117	162451	101.135	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	397747	99.279	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31831	96.797	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	249921	99.574	ug/l	99
94) Hexachlorobutadiene	15.111	225	131728	95.450	ug/l	99
95) Naphthalene	15.233	128	532042	102.192	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	218912	99.810	ug/l	99

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

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