

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060822\
 Data File : VY009179.D
 Acq On : 08 Jun 2022 19:09
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/09/2022
 Supervised By :Semsettin Yesilyurt 06/10/2022

Quant Time: Jun 09 01:38:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060822S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 01:36:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	175455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	282435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	296579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	206720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	144475	85.420	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.840%#			
35) Dibromofluoromethane	7.710	113	151722	94.923	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 189.840%#			
50) Toluene-d8	10.179	98	528551	91.060	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 182.120%#			
62) 4-Bromofluorobenzene	12.477	95	291668	118.095	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 236.180%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	135405	95.365	ug/l	100
3) Chloromethane	2.107	50	246065	86.389	ug/l	97
4) Vinyl Chloride	2.241	62	409197	95.270	ug/l	99
5) Bromomethane	2.619	94	395866	96.099	ug/l	95
6) Chloroethane	2.778	64	298448	96.225	ug/l	98
7) Trichlorofluoromethane	3.113	101	301597	99.098	ug/l	94
8) Diethyl Ether	3.521	74	91938	98.857	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.881	101	166312	100.466	ug/l	94
10) Methyl Iodide	4.076	142	196928	111.385	ug/l	92
11) Tert butyl alcohol	4.954	59	87457	457.116	ug/l	96
12) 1,1-Dichloroethene	3.857	96	156284	98.791	ug/l	87
13) Acrolein	3.716	56	40685	424.699	ug/l	99
14) Allyl chloride	4.466	41	236792	102.905	ug/l #	86
15) Acrylonitrile	5.155	53	246076	474.175	ug/l	99
16) Acetone	3.942	43	174333	427.573	ug/l	93
17) Carbon Disulfide	4.180	76	491391	99.080	ug/l	98
18) Methyl Acetate	4.466	43	107854	77.371	ug/l #	87
19) Methyl tert-butyl Ether	5.210	73	512433	104.765	ug/l	96
20) Methylene Chloride	4.698	84	188813	76.737	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	200570	102.778	ug/l	87
22) Diisopropyl ether	6.106	45	666913	110.151	ug/l #	94
23) Vinyl Acetate	6.051	43	2259966	578.709	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	343789	99.719	ug/l	98
25) 2-Butanone	6.978	43	340357	492.314	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	313617	94.784	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	230262	100.215	ug/l	87
28) Bromochloromethane	7.326	49	161137	101.242	ug/l #	90
29) Tetrahydrofuran	7.338	42	240189	517.270	ug/l #	86
30) Chloroform	7.502	83	371753	99.630	ug/l	97
31) Cyclohexane	7.777	56	323730	103.519	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	335727	102.457	ug/l	97
36) 1,1-Dichloropropene	7.911	75	296417	107.739	ug/l	98
37) Ethyl Acetate	7.070	43	154780	98.219	ug/l	97
38) Carbon Tetrachloride	7.893	117	309117	107.680	ug/l	99
39) Methylcyclohexane	9.179	83	392224	119.129	ug/l	90
40) Benzene	8.155	78	867144	107.182	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	95068m	108.846	ug/l	
42) 1,2-Dichloroethane	8.228	62	260697	105.115	ug/l	94
43) Isopropyl Acetate	8.271	43	321717	108.805	ug/l #	94
44) Trichloroethene	8.935	130	219316	105.757	ug/l	97
45) 1,2-Dichloropropane	9.209	63	210898	104.827	ug/l	95
46) Dibromomethane	9.301	93	136069	103.964	ug/l	93
47) Bromodichloromethane	9.490	83	309074	106.728	ug/l	98
48) Methyl methacrylate	9.289	41	146869	113.652	ug/l #	86
49) 1,4-Dioxane	9.295	88	37149	2143.239	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	933118	565.788	ug/l	92
52) Toluene	10.240	92	668491	123.256	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	353753	114.210	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	363770	108.255	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	191148	107.563	ug/l	98
56) Ethyl methacrylate	10.508	69	283539	123.650	ug/l	87
57) 1,3-Dichloropropane	10.788	76	313460	106.868	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	704081	597.899	ug/l	96
59) 2-Hexanone	10.831	43	648597	572.158	ug/l	89
60) Dibromochloromethane	10.977	129	246263	113.263	ug/l	99
61) 1,2-Dibromoethane	11.087	107	193355	111.138	ug/l	99
64) Tetrachloroethene	10.715	164	210243	105.323	ug/l	98
65) Chlorobenzene	11.514	112	691617	108.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	264022	112.218	ug/l	97
67) Ethyl Benzene	11.587	91	1316118	116.101	ug/l	98
68) m/p-Xylenes	11.697	106	1123383	242.393	ug/l	91
69) o-Xylene	12.026	106	536937	122.249	ug/l	91
70) Styrene	12.044	104	1002667	128.650	ug/l	94
71) Bromoform	12.203	173	194059	119.827	ug/l #	100
73) Isopropylbenzene	12.325	105	1484677	87.400	ug/l	100
74) N-amyl acetate	12.142	43	388356	82.940	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	280990	76.053	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	233181m	88.224	ug/l	
77) Bromobenzene	12.605	156	321202	81.010	ug/l	95
78) n-propylbenzene	12.672	91	1803187	86.257	ug/l	99
79) 2-Chlorotoluene	12.758	91	976636	85.899	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	1283136	88.297	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	106084	77.566	ug/l	87
82) 4-Chlorotoluene	12.855	91	1116199	89.644	ug/l	97
83) tert-Butylbenzene	13.075	119	1131473	89.530	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	1284465	87.788	ug/l	98
85) sec-Butylbenzene	13.251	105	1750711	104.044	ug/l	99
86) p-Isopropyltoluene	13.367	119	1591322	116.422	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	773332	105.509	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	738298	102.987	ug/l	98
89) n-Butylbenzene	13.696	91	1363535	108.071	ug/l	99
90) Hexachloroethane	13.959	117	242217	99.073	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	690757	120.020	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	40765	91.783	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	327513	102.904	ug/l	99
94) Hexachlorobutadiene	15.111	225	170078	97.302	ug/l	99
95) Naphthalene	15.239	128	682011	105.567	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	283408	101.668	ug/l	99

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

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