

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042122\
 Data File : VY008439.D
 Acq On : 21 Apr 2022 13:20
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/22/2022
 Supervised By :Semsettin Yesilyurt 04/22/2022

Quant Time: Apr 21 14:10:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 13:56:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	107632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	188398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	177879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	134958	122.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 244.520%#			
35) Dibromofluoromethane	7.716	113	130729	113.710	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 227.420%#			
50) Toluene-d8	10.179	98	493904	123.927	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 247.860%#			
62) 4-Bromofluorobenzene	12.483	95	176798	118.804	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 237.600%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	102461	110.034	ug/l	96
3) Chloromethane	2.113	50	146310	115.807	ug/l	95
4) Vinyl Chloride	2.253	62	194970	116.889	ug/l	98
5) Bromomethane	2.644	94	170454	112.911	ug/l	98
6) Chloroethane	2.790	64	131935	114.605	ug/l	98
7) Trichlorofluoromethane	3.125	101	208466	109.388	ug/l	91
8) Diethyl Ether	3.528	74	70903	102.953	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.899	101	126337	104.233	ug/l	94
10) Methyl Iodide	4.094	142	169555	135.526	ug/l	91
11) Tert butyl alcohol	4.954	59	64090	558.269	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	119135	107.838	ug/l #	77
13) Acrolein	3.729	56	65584	713.162	ug/l	99
14) Allyl chloride	4.479	41	160365	111.799	ug/l #	90
15) Acrylonitrile	5.161	53	180657	533.127	ug/l	98
16) Acetone	3.948	43	151181	581.254	ug/l #	85
17) Carbon Disulfide	4.192	76	370657	123.086	ug/l	100
18) Methyl Acetate	4.479	43	77831	104.761	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	375710	109.405	ug/l	92
20) Methylene Chloride	4.716	84	144345	82.587	ug/l #	79
21) trans-1,2-Dichloroethene	5.222	96	146913	110.601	ug/l #	82
22) Diisopropyl ether	6.119	45	373700	109.721	ug/l #	92
23) Vinyl Acetate	6.058	43	1307538	581.880	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	237505	109.042	ug/l	97
25) 2-Butanone	6.984	43	234556	577.021	ug/l #	75
26) 2,2-Dichloropropane	6.984	77	221593	110.866	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	168611	107.806	ug/l	82
28) Bromochloromethane	7.332	49	88107	105.586	ug/l #	70
29) Tetrahydrofuran	7.350	42	147656	566.594	ug/l #	71
30) Chloroform	7.508	83	257412	106.001	ug/l	99
31) Cyclohexane	7.783	56	205752	108.104	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	232554	110.004	ug/l	95
36) 1,1-Dichloropropene	7.917	75	196768	109.859	ug/l	96
37) Ethyl Acetate	7.076	43	104117	110.989	ug/l #	92
38) Carbon Tetrachloride	7.905	117	211411	110.425	ug/l	99
39) Methylcyclohexane	9.185	83	267690	116.026	ug/l #	85
40) Benzene	8.161	78	582533	108.972	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	51468m	100.194	ug/l	
42) 1,2-Dichloroethane	8.240	62	170246	108.701	ug/l	90
43) Isopropyl Acetate	8.271	43	200630	114.135	ug/l #	85
44) Trichloroethene	8.941	130	162785	108.228	ug/l	97
45) 1,2-Dichloropropane	9.216	63	140180	107.389	ug/l	95
46) Dibromomethane	9.307	93	95847	109.482	ug/l	94
47) Bromodichloromethane	9.496	83	207428	106.839	ug/l	100
48) Methyl methacrylate	9.295	41	84704	112.954	ug/l #	74
49) 1,4-Dioxane	9.301	88	24608	2202.361	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	521033	572.454	ug/l #	83
52) Toluene	10.246	92	392645	111.727	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	226938	113.258	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	246431	110.027	ug/l #	83
55) 1,1,2-Trichloroethane	10.648	97	129405	104.711	ug/l	98
56) Ethyl methacrylate	10.508	69	178992	116.656	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	214116	107.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	472697	720.097	ug/l	90
59) 2-Hexanone	10.831	43	371852	590.993	ug/l	80
60) Dibromochloromethane	10.983	129	156286	108.598	ug/l	99
61) 1,2-Dibromoethane	11.087	107	131004	108.241	ug/l	99
64) Tetrachloroethene	10.721	164	137332	108.324	ug/l	97
65) Chlorobenzene	11.514	112	423639	108.061	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	160877	110.516	ug/l	96
67) Ethyl Benzene	11.593	91	758068	113.755	ug/l	97
68) m/p-Xylenes	11.703	106	633103	238.657	ug/l	89
69) o-Xylene	12.032	106	297884	115.927	ug/l	89
70) Styrene	12.044	104	523289	122.556	ug/l	93
71) Bromoform	12.209	173	102457	115.647	ug/l #	99
73) Isopropylbenzene	12.331	105	764879	103.853	ug/l	99
74) N-amyl acetate	12.142	43	180704	108.270	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	159520	99.899	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	120396m	107.167	ug/l	
77) Bromobenzene	12.611	156	175705	96.651	ug/l	94
78) n-propylbenzene	12.672	91	903066	103.376	ug/l	97
79) 2-Chlorotoluene	12.758	91	499006	101.488	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	641857	106.173	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	56655	111.999	ug/l #	82
82) 4-Chlorotoluene	12.855	91	543751	107.230	ug/l	96
83) tert-Butylbenzene	13.075	119	554340	102.794	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	643078	107.360	ug/l	96
85) sec-Butylbenzene	13.251	105	842420	104.912	ug/l	99
86) p-Isopropyltoluene	13.367	119	725370	108.649	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	382786	107.101	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	365865	103.457	ug/l	98
89) n-Butylbenzene	13.696	91	624552	102.725	ug/l	98
90) Hexachloroethane	13.959	117	123776	99.158	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	329629	103.542	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23300	101.573	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	170801	90.804	ug/l	98
94) Hexachlorobutadiene	15.111	225	83159	88.027	ug/l	100
95) Naphthalene	15.239	128	390279	95.491	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	146696	88.824	ug/l	98

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

