

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071122\
 Data File : VD073826.D
 Acq On : 11 Jul 2022 16:41
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 12 06:40:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 06:36:41 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	121119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	228610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	214704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	103298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	142088	93.744	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 187.480%#			
35) Dibromofluoromethane	7.908	113	145200	100.869	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.740%#			
50) Toluene-d8	10.332	98	454541	93.948	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 187.900%#			
62) 4-Bromofluorobenzene	12.620	95	228545	112.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 224.160%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	55315	68.049	ug/l	96
3) Chloromethane	2.209	50	66460	63.274	ug/l	98
4) Vinyl Chloride	2.344	62	89243	69.484	ug/l	98
5) Bromomethane	2.738	94	65078	64.638	ug/l	98
6) Chloroethane	2.897	64	71946	73.487	ug/l #	88
7) Trichlorofluoromethane	3.256	101	147879	74.500	ug/l	100
8) Diethyl Ether	3.703	74	49080	81.480	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.079	101	92130	74.650	ug/l	99
10) Methyl Iodide	4.285	142	64890	81.193	ug/l	99
11) Tert butyl alcohol	5.226	59	83977	167.284	ug/l #	100
12) 1,1-Dichloroethene	4.056	96	68167	70.517	ug/l	95
13) Acrolein	3.909	56	25108	342.269	ug/l	96
14) Allyl chloride	4.703	41	141199	77.234	ug/l	98
15) Acrylonitrile	5.408	53	152270	441.860	ug/l	97
16) Acetone	4.156	43	123968	386.566	ug/l	96
17) Carbon Disulfide	4.391	76	91978	58.844	ug/l	96
18) Methyl Acetate	4.703	43	65439	63.646	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	301624	83.741	ug/l	95
20) Methylene Chloride	4.950	84	108114	39.373	ug/l	97
21) trans-1,2-Dichloroethene	5.461	96	80267	69.349	ug/l #	73
22) Diisopropyl ether	6.355	45	408650	85.806	ug/l	98
23) Vinyl Acetate	6.297	43	1149037	456.954	ug/l	99
24) 1,1-Dichloroethane	6.255	63	212948	80.323	ug/l	98
25) 2-Butanone	7.202	43	199031	415.659	ug/l	99
26) 2,2-Dichloropropane	7.197	77	198664	79.256	ug/l	100
27) cis-1,2-Dichloroethene	7.202	96	128207	79.267	ug/l	93
28) Bromochloromethane	7.538	49	88486	85.565	ug/l	95
29) Tetrahydrofuran	7.555	42	122203	434.627	ug/l	98
30) Chloroform	7.702	83	244092	82.589	ug/l	99
31) Cyclohexane	7.973	56	118712	62.889	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	202717	80.972	ug/l	99
36) 1,1-Dichloropropene	8.102	75	135192	76.685	ug/l	98
37) Ethyl Acetate	7.285	43	86797	83.741	ug/l	98
38) Carbon Tetrachloride	8.085	117	159673	79.678	ug/l	87
39) Methylcyclohexane	9.344	83	133826	73.843	ug/l	97
40) Benzene	8.344	78	414343	79.888	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	63596	105.277	ug/l	95
42) 1,2-Dichloroethane	8.414	62	150774	84.429	ug/l	99
43) Isopropyl Acetate	8.444	43	181984	86.738	ug/l	99
44) Trichloroethene	9.102	130	106349	77.089	ug/l	94
45) 1,2-Dichloropropane	9.379	63	127419	85.564	ug/l #	88
46) Dibromomethane	9.467	93	70223	82.352	ug/l	96
47) Bromodichloromethane	9.655	83	197302	84.942	ug/l	96
48) Methyl methacrylate	9.449	41	83572	87.311	ug/l	97
49) 1,4-Dioxane	9.455	88	18636	1761.605	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	497785	454.532	ug/l	100
52) Toluene	10.391	92	285300	82.926	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	185764	86.942	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	199387	84.146	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	104489	87.561	ug/l	96
56) Ethyl methacrylate	10.655	69	136837	89.834	ug/l	99
57) 1,3-Dichloropropane	10.938	76	178259	86.526	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	250569	418.250	ug/l	98
59) 2-Hexanone	10.973	43	340292	462.767	ug/l	99
60) Dibromochloromethane	11.132	129	134433	90.905	ug/l	99
61) 1,2-Dibromoethane	11.238	107	96327	87.331	ug/l	99
64) Tetrachloroethene	10.867	164	78630	73.891	ug/l	98
65) Chlorobenzene	11.661	112	334470	82.983	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.732	131	137105	88.023	ug/l	97
67) Ethyl Benzene	11.732	91	622372	84.729	ug/l	98
68) m/p-Xylenes	11.843	106	467266	168.652	ug/l	99
69) o-Xylene	12.167	106	235100	88.069	ug/l	98
70) Styrene	12.185	104	414494	88.697	ug/l	98
71) Bromoform	12.349	173	73783	93.020	ug/l #	99
73) Isopropylbenzene	12.467	105	652741	83.099	ug/l	99
74) N-amyl acetate	12.279	43	188042	85.312	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	138907	85.525	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	116152m	100.039	ug/l	
77) Bromobenzene	12.749	156	132974	81.036	ug/l	99
78) n-propylbenzene	12.808	91	807621	81.531	ug/l	99
79) 2-Chlorotoluene	12.896	91	457837	81.804	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	546161	82.918	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	41750	84.533	ug/l	97
82) 4-Chlorotoluene	12.990	91	481428	81.883	ug/l	99
83) tert-Butylbenzene	13.208	119	484016	83.187	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	545898	83.673	ug/l	99
85) sec-Butylbenzene	13.385	105	743539	82.984	ug/l	99
86) p-Isopropyltoluene	13.502	119	613509	85.726	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	290989	84.516	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	286953	82.585	ug/l	97
89) n-Butylbenzene	13.826	91	602732	83.284	ug/l	99
90) Hexachloroethane	14.096	117	117559	82.326	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	259992	85.505	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	22927	85.493	ug/l	100
93) 1,2,4-Trichlorobenzene	15.143	180	144979	82.927	ug/l	99
94) Hexachlorobutadiene	15.249	225	67007	79.415	ug/l	99
95) Naphthalene	15.379	128	336223	86.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	126701	82.473	ug/l	99

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

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