

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100521\
 Data File : VD070569.D
 Acq On : 05 Oct 2021 13:22
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 06 08:46:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 08:30:50 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Vimala Arumugam 10/06/2021
 Supervised By :Mahesh Dadoda 10/07/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	403514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	696987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	660007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	299240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.326	65	644985	135.82	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 271.64%#	
35) Dibromofluoromethane	7.908	113	671505	144.91	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 289.82%#	
50) Toluene-d8	10.332	98	2790723	157.53	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 315.06%#	
62) 4-Bromofluorobenzene	12.620	95	929464	156.98	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 313.96%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.985	85	650691	132.21	ug/l	96
3) Chloromethane	2.209	50	801652	131.19	ug/l	97
4) Vinyl Chloride	2.350	62	915122	135.14	ug/l	98
5) Bromomethane	2.744	94	579514	125.51	ug/l	99
6) Chloroethane	2.909	64	564883	130.65	ug/l	97
7) Trichlorofluoromethane	3.268	101	1150717	131.12	ug/l	98
8) Diethyl Ether	3.709	74	340764	149.24	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	690573	129.84	ug/l	99
10) Methyl Iodide	4.297	142	802700	162.53	ug/l	100
11) Tert butyl alcohol	5.226	59	146594	621.90	ug/l #	86
12) 1,1-Dichloroethene	4.067	96	684246	144.50	ug/l	96
13) Acrolein	3.920	56	156703	693.81	ug/l	100
14) Allyl chloride	4.709	41	1000292	151.76	ug/l	100
15) Acrylonitrile	5.420	53	703826	710.50	ug/l	99
16) Acetone	4.156	43	576507	714.90	ug/l	96
17) Carbon Disulfide	4.409	76	2343506	135.56	ug/l	100
18) Methyl Acetate	4.714	43	422919	135.91	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	1456638	154.42	ug/l	97
20) Methylene Chloride	4.967	84	779705	103.61	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	792191	142.23	ug/l	97
22) Diisopropyl ether	6.361	45	2029136	149.85	ug/l	98
23) Vinyl Acetate	6.303	43	4886440	816.04	ug/l	100
24) 1,1-Dichloroethane	6.267	63	1334991	133.85	ug/l	100
25) 2-Butanone	7.208	43	778621	737.45	ug/l	99
26) 2,2-Dichloropropane	7.203	77	1167904	141.50	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	860358	147.00	ug/l	99
28) Bromochloromethane	7.544	49	463411	133.45	ug/l	99
29) Tetrahydrofuran	7.561	42	501916	737.53	ug/l	99
30) Chloroform	7.708	83	1362320	131.31	ug/l	98
31) Cyclohexane	7.985	56	1249248	142.07	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	1213722	135.82	ug/l	98
36) 1,1-Dichloropropene	8.108	75	1096337	148.11	ug/l	99
37) Ethyl Acetate	7.291	43	341104	138.70	ug/l	98
38) Carbon Tetrachloride	8.091	117	1093801	141.20	ug/l	99
39) Methylcyclohexane	9.350	83	1372573	161.25	ug/l	98
40) Benzene	8.350	78	3148689	144.32	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	189170	149.15	ug/l	96
42) 1,2-Dichloroethane	8.420	62	760825	134.84	ug/l	100
43) Isopropyl Acetate	8.450	43	661818	146.86	ug/l	99
44) Trichloroethene	9.108	130	769515	143.03	ug/l	96
45) 1,2-Dichloropropane	9.385	63	769491	138.20	ug/l	98
46) Dibromomethane	9.473	93	386414	135.21	ug/l	99
47) Bromodichloromethane	9.661	83	1008476	136.75	ug/l	98
48) Methyl methacrylate	9.450	41	328845	155.67	ug/l	99
49) 1,4-Dioxane	9.461	88	84479	2909.15	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	1719760	739.71	ug/l	98
52) Toluene	10.397	92	2041792	152.33	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	962646	149.14	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	1184286	152.40	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	530872	136.36	ug/l	98
56) Ethyl methacrylate	10.655	69	694129	166.93	ug/l	99
57) 1,3-Dichloropropane	10.938	76	944887	142.67	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	1461512	779.15	ug/l	99
59) 2-Hexanone	10.979	43	1204462	765.43	ug/l	97
60) Dibromochloromethane	11.132	129	644171	137.35	ug/l	100
61) 1,2-Dibromoethane	11.238	107	500723	138.13	ug/l	100
64) Tetrachloroethene	10.867	164	605488	143.07	ug/l	94
65) Chlorobenzene	11.661	112	2015754	143.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	713755	136.33	ug/l	98
67) Ethyl Benzene	11.738	91	3858756	158.89	ug/l	100
68) m/p-Xylenes	11.844	106	2958674	309.34	ug/l	100
69) o-Xylene	12.173	106	1376967	161.87	ug/l	99
70) Styrene	12.185	104	2360919	157.52	ug/l	100
71) Bromoform	12.349	173	339075	137.95	ug/l #	100
73) Isopropylbenzene	12.473	105	3597563	164.90	ug/l	99
74) N-amyl acetate	12.279	43	642609	156.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	573484	134.46	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	368858m	207.09	ug/l	
77) Bromobenzene	12.749	156	721909	148.02	ug/l	99
78) n-propylbenzene	12.808	91	4431516	160.52	ug/l	99
79) 2-Chlorotoluene	12.896	91	2549864	157.45	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	3012309	161.90	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	185085	151.72	ug/l	96
82) 4-Chlorotoluene	12.996	91	2617332	154.59	ug/l	99
83) tert-Butylbenzene	13.214	119	2510760	163.28	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	2996777	161.88	ug/l	100
85) sec-Butylbenzene	13.390	105	3806659	159.69	ug/l	99
86) p-Isopropyltoluene	13.502	119	3184331	163.55	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	1511419	147.57	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	1459423	143.73	ug/l	99
89) n-Butylbenzene	13.832	91	3027852	162.90	ug/l	99
90) Hexachloroethane	14.102	117	604102	143.51	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	1276423	146.16	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	86294	140.13	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	750045	159.53	ug/l	99
94) Hexachlorobutadiene	15.249	225	444784	149.71	ug/l	100
95) Naphthalene	15.384	128	1456706	171.60	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	635193	153.38	ug/l	98

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

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