

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076868.D
 Acq On : 31 Jul 2023 12:09
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 02:08:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	171131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	311928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	290975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	139583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	90198	52.917	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.840%			
35) Dibromofluoromethane	7.804	113	105361	53.751	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.500%			
50) Toluene-d8	10.269	98	347513	49.558	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.575	95	115936	51.107	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	60820	45.448	ug/l	97
3) Chloromethane	2.146	50	95641	41.430	ug/l	96
4) Vinyl Chloride	2.281	62	139354	45.285	ug/l	97
5) Bromomethane	2.687	94	122035	48.199	ug/l	99
6) Chloroethane	2.834	64	111000	47.775	ug/l	93
7) Trichlorofluoromethane	3.169	101	137590	50.249	ug/l	99
8) Diethyl Ether	3.593	74	52774	55.979	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	91618	50.902	ug/l	97
10) Methyl Iodide	4.158	142	108742	53.595	ug/l	92
11) Tert butyl alcohol	5.046	59	38636	303.758	ug/l	95
12) 1,1-Dichloroethene	3.934	96	83509	49.383	ug/l	93
13) Acrolein	3.793	56	25017	288.621	ug/l	96
14) Allyl chloride	4.558	41	115853	52.152	ug/l	92
15) Acrylonitrile	5.252	53	131722	284.479	ug/l	98
16) Acetone	4.016	43	122744	301.527	ug/l	88
17) Carbon Disulfide	4.269	76	181092	45.850	ug/l	96
18) Methyl Acetate	4.563	43	89923	58.795	ug/l	96
19) Methyl tert-butyl Ether	5.310	73	259490	57.221	ug/l	99
20) Methylene Chloride	4.793	84	142405	61.019	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	102837	52.317	ug/l	95
22) Diisopropyl ether	6.216	45	289628	55.059	ug/l	97
23) Vinyl Acetate	6.152	43	735113	282.438	ug/l	94
24) 1,1-Dichloroethane	6.110	63	195955	55.250	ug/l	97
25) 2-Butanone	7.081	43	169179	310.529	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	174259	56.997	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	133305	55.012	ug/l	95
28) Bromochloromethane	7.422	49	42923	48.407	ug/l	87
29) Tetrahydrofuran	7.440	42	95038	295.247	ug/l	93
30) Chloroform	7.593	83	220960	56.881	ug/l	94
31) Cyclohexane	7.875	56	110270	43.958	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	174842	55.785	ug/l	97
36) 1,1-Dichloropropene	8.004	75	135135	52.758	ug/l	97
37) Ethyl Acetate	7.163	43	68461	59.766	ug/l #	94
38) Carbon Tetrachloride	7.993	117	136685	55.731	ug/l	97
39) Methylcyclohexane	9.275	83	139234	47.077	ug/l	97
40) Benzene	8.246	78	439948	54.436	ug/l	100

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41) Methacrylonitrile	7.399	41	39898	57.037	ug/l #	87
42) 1,2-Dichloroethane	8.322	62	119540	56.926	ug/l	98
43) Isopropyl Acetate	8.357	43	128934	57.675	ug/l	94
44) Trichloroethene	9.028	130	117664	53.427	ug/l	99
45) 1,2-Dichloropropane	9.304	63	117211	56.183	ug/l	97
46) Dibromomethane	9.393	93	71455	58.514	ug/l	89
47) Bromodichloromethane	9.587	83	171651	56.014	ug/l	97
48) Methyl methacrylate	9.381	41	58174	57.175	ug/l	86
49) 1,4-Dioxane	9.381	88	17595	1124.602	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	354266	297.634	ug/l	94
52) Toluene	10.334	92	284775	53.650	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	161461	56.765	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	189230	56.449	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	103127	57.833	ug/l	97
56) Ethyl methacrylate	10.598	69	118585	57.617	ug/l #	90
57) 1,3-Dichloropropane	10.881	76	164721	56.722	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	198766	249.497	ug/l	97
59) 2-Hexanone	10.922	43	258581	304.460	ug/l	93
60) Dibromochloromethane	11.075	129	119150	57.518	ug/l	95
61) 1,2-Dibromoethane	11.181	107	94686	57.273	ug/l	99
64) Tetrachloroethene	10.810	164	91591	55.202	ug/l	91
65) Chlorobenzene	11.604	112	319055	54.520	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	120871	55.477	ug/l	99
67) Ethyl Benzene	11.687	91	551733	53.684	ug/l	96
68) m/p-Xylenes	11.792	106	429921	108.919	ug/l	92
69) o-Xylene	12.122	106	205264	53.777	ug/l	90
70) Styrene	12.134	104	369458	55.293	ug/l	98
71) Bromoform	12.298	173	71976	60.318	ug/l #	97
73) Isopropylbenzene	12.422	105	536930	53.019	ug/l	97
74) N-amyl acetate	12.234	43	119833	56.168	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	124573	57.292	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	80517m	60.657	ug/l	
77) Bromobenzene	12.698	156	129164	55.256	ug/l	88
78) n-propylbenzene	12.763	91	654062	53.275	ug/l	97
79) 2-Chlorotoluene	12.851	91	359967	53.474	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	439419	53.662	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	38335	61.463	ug/l	95
82) 4-Chlorotoluene	12.945	91	384155	54.626	ug/l	95
83) tert-Butylbenzene	13.169	119	385299	53.439	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	447548	53.484	ug/l	95
85) sec-Butylbenzene	13.345	105	589214	53.489	ug/l	95
86) p-Isopropyltoluene	13.463	119	489095	53.762	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	263352	54.774	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	261723	55.561	ug/l	98
89) n-Butylbenzene	13.786	91	465569	52.298	ug/l	98
90) Hexachloroethane	14.051	117	96331	57.275	ug/l	86
91) 1,2-Dichlorobenzene	13.834	146	233483	55.111	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	16944	54.654	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	146372	56.591	ug/l	97
94) Hexachlorobutadiene	15.204	225	66311	53.307	ug/l	98
95) Naphthalene	15.333	128	323821	57.822	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	134244	57.837	ug/l	97

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

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