

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071223\
 Data File : VD076733.D
 Acq On : 12 Jul 2023 15:49
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 13 01:21:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	138293	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	260619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	238128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	67279	48.557	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.120%		
35) Dibromofluoromethane	7.805	113	72465	46.804	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.600%		
50) Toluene-d8	10.269	98	251028	42.752	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.500%		
62) 4-Bromofluorobenzene	12.575	95	83197	43.659	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.320%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	53634	51.039	ug/l	98
3) Chloromethane	2.146	50	120588	55.177	ug/l	97
4) Vinyl Chloride	2.275	62	162236	66.547	ug/l	98
5) Bromomethane	2.675	94	98075	61.871	ug/l	98
6) Chloroethane	2.822	64	118781	71.087	ug/l	97
7) Trichlorofluoromethane	3.158	101	107617	53.640	ug/l	100
8) Diethyl Ether	3.587	74	35555	47.089	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.952	101	73043	56.531	ug/l	91
10) Methyl Iodide	4.152	142	58200	37.993	ug/l	91
11) Tert butyl alcohol	5.064	59	26518	221.665	ug/l	# 85
12) 1,1-Dichloroethene	3.934	96	65037	51.395	ug/l	88
13) Acrolein	3.793	56	36043	279.717	ug/l	97
14) Allyl chloride	4.552	41	94367	40.777	ug/l	# 88
15) Acrylonitrile	5.252	53	94187	242.584	ug/l	98
16) Acetone	4.017	43	84842	257.320	ug/l	# 76
17) Carbon Disulfide	4.258	76	160216	46.338	ug/l	96
18) Methyl Acetate	4.558	43	66541	43.792	ug/l	# 88
19) Methyl tert-butyl Ether	5.311	73	177919	51.401	ug/l	# 91
20) Methylene Chloride	4.793	84	93502	50.702	ug/l	89
21) trans-1,2-Dichloroethene	5.305	96	75292	51.478	ug/l	92
22) Diisopropyl ether	6.205	45	233515	46.665	ug/l	# 94
23) Vinyl Acetate	6.146	43	561889	226.532	ug/l	# 92
24) 1,1-Dichloroethane	6.111	63	147957	52.949	ug/l	98
25) 2-Butanone	7.075	43	120451	236.193	ug/l	# 87
26) 2,2-Dichloropropane	7.075	77	125438	52.067	ug/l	94
27) cis-1,2-Dichloroethene	7.069	96	94724	53.513	ug/l	91
28) Bromochloromethane	7.422	49	40341	50.115	ug/l	# 72
29) Tetrahydrofuran	7.440	42	73011	222.777	ug/l	86
30) Chloroform	7.593	83	157377	56.879	ug/l	99
31) Cyclohexane	7.869	56	110645	51.608	ug/l	85
32) 1,1,1-Trichloroethane	7.787	97	127662	57.079	ug/l	98
36) 1,1-Dichloropropene	8.005	75	109484	50.497	ug/l	95
37) Ethyl Acetate	7.163	43	52526	41.808	ug/l	# 95
38) Carbon Tetrachloride	7.987	117	101909	52.588	ug/l	98
39) Methylcyclohexane	9.269	83	128530	50.516	ug/l	96
40) Benzene	8.246	78	328197	49.638	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	30056	42.366	ug/l #	86
42) 1,2-Dichloroethane	8.322	62	88223	49.382	ug/l	95
43) Isopropyl Acetate	8.357	43	98033	41.216	ug/l	90
44) Trichloroethene	9.022	130	81528	45.710	ug/l	92
45) 1,2-Dichloropropane	9.299	63	87051	48.559	ug/l	98
46) Dibromomethane	9.393	93	47834	49.810	ug/l #	87
47) Bromodichloromethane	9.581	83	123771	53.857	ug/l #	98
48) Methyl methacrylate	9.381	41	45934	42.134	ug/l #	79
49) 1,4-Dioxane	9.381	88	11812	1026.577	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	274010	225.365	ug/l	88
52) Toluene	10.334	92	206462	49.761	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	113356	48.609	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	133692	48.355	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	67508	50.255	ug/l	96
56) Ethyl methacrylate	10.599	69	83261	47.470	ug/l #	82
57) 1,3-Dichloropropane	10.881	76	115787	50.344	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	162741	218.852	ug/l	93
59) 2-Hexanone	10.922	43	192476	227.580	ug/l	87
60) Dibromochloromethane	11.075	129	76343	48.834	ug/l	97
61) 1,2-Dibromoethane	11.181	107	61169	48.508	ug/l	100
64) Tetrachloroethene	10.810	164	63512	44.433	ug/l	88
65) Chlorobenzene	11.604	112	221752	49.017	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	79836	49.345	ug/l	98
67) Ethyl Benzene	11.681	91	413215	51.548	ug/l	96
68) m/p-Xylenes	11.793	106	313973	100.338	ug/l	91
69) o-Xylene	12.122	106	148157	49.739	ug/l	92
70) Styrene	12.134	104	258699	50.277	ug/l	97
71) Bromoform	12.298	173	42697	43.953	ug/l #	99
73) Isopropylbenzene	12.422	105	397791	52.396	ug/l	95
74) N-amyl acetate	12.234	43	94767	42.638	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.675	83	85779	54.754	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	53497m	47.802	ug/l	
77) Bromobenzene	12.704	156	83289	44.468	ug/l	79
78) n-propylbenzene	12.763	91	502370	53.591	ug/l	94
79) 2-Chlorotoluene	12.851	91	258031	50.126	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	322631	52.037	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	24455	47.882	ug/l	93
82) 4-Chlorotoluene	12.945	91	278831	52.158	ug/l	91
83) tert-Butylbenzene	13.163	119	282645	51.306	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	323185	51.726	ug/l	95
85) sec-Butylbenzene	13.345	105	448190	54.823	ug/l	92
86) p-Isopropyltoluene	13.463	119	361871	52.974	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	178193	48.433	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	175253	47.762	ug/l	98
89) n-Butylbenzene	13.787	91	361607	54.272	ug/l	97
90) Hexachloroethane	14.051	117	65994	52.351	ug/l	79
91) 1,2-Dichlorobenzene	13.834	146	153536	47.757	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11330	48.048	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	92103	42.986	ug/l	97
94) Hexachlorobutadiene	15.204	225	42567	40.864	ug/l	99
95) Naphthalene	15.334	128	201426	47.012	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	79661	42.674	ug/l	98

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

