

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061323\
 Data File : VD076397.D
 Acq On : 13 Jun 2023 10:47
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

06/14/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Jun 14 05:42:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	269605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	460569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	407831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	189102	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	147212	47.274	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.540%
35) Dibromofluoromethane	7.805	113	147788	49.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.300%
50) Toluene-d8	10.269	98	563271	49.933	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.860%
62) 4-Bromofluorobenzene	12.575	95	185199	47.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.720%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	111823	46.438	ug/l	92
3) Chloromethane	2.146	50	208519	45.732	ug/l	99
4) Vinyl Chloride	2.281	62	227661	52.180	ug/l	99
5) Bromomethane	2.687	94	128800	56.338	ug/l	100
6) Chloroethane	2.828	64	135512	51.577	ug/l	99
7) Trichlorofluoromethane	3.170	101	212402	48.378	ug/l	95
8) Diethyl Ether	3.587	74	70984	45.003	ug/l	65
9) 1,1,2-Trichlorotrifluo...	3.964	101	127200	48.186	ug/l	96
10) Methyl Iodide	4.158	142	165534	48.764	ug/l	91
11) Tert butyl alcohol	5.058	59	52414	201.344	ug/l	95
12) 1,1-Dichloroethene	3.934	96	126923	47.145	ug/l #	82
13) Acrolein	3.799	56	77173	258.448	ug/l	99
14) Allyl chloride	4.558	41	241141	45.800	ug/l #	85
15) Acrylonitrile	5.252	53	173032	215.607	ug/l	96
16) Acetone	4.022	43	202287	295.496	ug/l #	78
17) Carbon Disulfide	4.269	76	365297	47.226	ug/l	97
18) Methyl Acetate	4.558	43	139867	44.814	ug/l #	80
19) Methyl tert-butyl Ether	5.316	73	336563	45.056	ug/l	95
20) Methylene Chloride	4.799	84	153813	41.864	ug/l #	78
21) trans-1,2-Dichloroethene	5.311	96	143645	45.914	ug/l	85
22) Diisopropyl ether	6.216	45	487905	45.522	ug/l #	91
23) Vinyl Acetate	6.152	43	1242798	269.981	ug/l #	89
24) 1,1-Dichloroethane	6.111	63	273211	45.860	ug/l	95
25) 2-Butanone	7.081	43	253505	236.770	ug/l #	77
26) 2,2-Dichloropropane	7.069	77	246866	46.022	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	170183	45.695	ug/l	83
28) Bromochloromethane	7.428	49	78820	47.651	ug/l #	70
29) Tetrahydrofuran	7.446	42	152183	222.788	ug/l #	76
30) Chloroform	7.593	83	266894	44.949	ug/l	98
31) Cyclohexane	7.875	56	232520	46.667	ug/l	85
32) 1,1,1-Trichloroethane	7.793	97	235655	46.471	ug/l	98
36) 1,1-Dichloropropene	8.005	75	203581	46.856	ug/l	96
37) Ethyl Acetate	7.169	43	106963	46.805	ug/l #	89
38) Carbon Tetrachloride	7.993	117	192688	47.767	ug/l	97
39) Methylcyclohexane	9.269	83	244152	48.803	ug/l #	89
40) Benzene	8.246	78	590383	46.740	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.405	41	65093	44.525	ug/l	#	78
42) 1,2-Dichloroethane	8.322	62	168484	44.794	ug/l		93
43) Isopropyl Acetate	8.358	43	213278	44.513	ug/l	#	83
44) Trichloroethene	9.028	130	161695	47.223	ug/l		97
45) 1,2-Dichloropropane	9.305	63	156714	46.681	ug/l		95
46) Dibromomethane	9.393	93	83524	45.082	ug/l		96
47) Bromodichloromethane	9.581	83	208671	45.468	ug/l		99
48) Methyl methacrylate	9.381	41	102641	44.695	ug/l	#	68
49) 1,4-Dioxane	9.387	88	19650	893.930	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.157	43	538007	226.074	ug/l	#	83
52) Toluene	10.334	92	375398	47.013	ug/l		97
53) t-1,3-Dichloropropene	10.552	75	214399	45.675	ug/l		95
54) cis-1,3-Dichloropropene	10.016	75	248664	46.064	ug/l	#	81
55) 1,1,2-Trichloroethane	10.734	97	113056	45.686	ug/l		93
56) Ethyl methacrylate	10.599	69	158909	46.239	ug/l	#	69
57) 1,3-Dichloropropane	10.881	76	198523	46.116	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.869	63	329203	235.170	ug/l		92
59) 2-Hexanone	10.922	43	403838	242.091	ug/l		80
60) Dibromochloromethane	11.075	129	142109	46.412	ug/l		98
61) 1,2-Dibromoethane	11.175	107	111121	46.284	ug/l		98
64) Tetrachloroethene	10.810	164	131802	47.075	ug/l		91
65) Chlorobenzene	11.604	112	397086	46.973	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.681	131	145847	46.141	ug/l		96
67) Ethyl Benzene	11.681	91	727861	46.748	ug/l		96
68) m/p-Xylenes	11.793	106	557024	94.552	ug/l		87
69) o-Xylene	12.122	106	268402	47.428	ug/l		90
70) Styrene	12.134	104	449550	46.560	ug/l		94
71) Bromoform	12.298	173	85778	46.526	ug/l	#	96
73) Isopropylbenzene	12.422	105	694494	48.562	ug/l		97
74) N-amyl acetate	12.234	43	203202	46.592	ug/l	#	82
75) 1,1,2,2-Tetrachloroethane	12.675	83	131183	46.451	ug/l		97
76) 1,2,3-Trichloropropane	12.728	75	110063m	62.257	ug/l		
77) Bromobenzene	12.698	156	159675	47.322	ug/l		84
78) n-propylbenzene	12.763	91	843821	48.407	ug/l		96
79) 2-Chlorotoluene	12.851	91	462503	46.887	ug/l		93
80) 1,3,5-Trimethylbenzene	12.904	105	564269	47.271	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.469	75	45082	45.657	ug/l		91
82) 4-Chlorotoluene	12.945	91	490739	47.507	ug/l		92
83) tert-Butylbenzene	13.169	119	497620	48.579	ug/l		95
84) 1,2,4-Trimethylbenzene	13.210	105	562193	47.669	ug/l		95
85) sec-Butylbenzene	13.345	105	736490	48.849	ug/l		97
86) p-Isopropyltoluene	13.463	119	618915	48.752	ug/l		96
87) 1,3-Dichlorobenzene	13.457	146	314569	48.172	ug/l		97
88) 1,4-Dichlorobenzene	13.540	146	307362	47.627	ug/l		97
89) n-Butylbenzene	13.787	91	594787	48.763	ug/l		99
90) Hexachloroethane	14.057	117	114850	49.023	ug/l		98
91) 1,2-Dichlorobenzene	13.834	146	271673	47.305	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	20184	43.508	ug/l		98
93) 1,2,4-Trichlorobenzene	15.098	180	189085	49.193	ug/l		95
94) Hexachlorobutadiene	15.204	225	97734	50.541	ug/l		98
95) Naphthalene	15.334	128	361011	46.772	ug/l		99
96) 1,2,3-Trichlorobenzene	15.522	180	159468	48.036	ug/l		97

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

