

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077438.D
 Acq On : 30 Oct 2023 10:14
 Operator : JC/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 03:54:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 03:41:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	354092	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	620201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	556043	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	246666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52198	10.425	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.840%	#	
35) Dibromofluoromethane	7.810	113	44372	10.351	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.700%	#	
50) Toluene-d8	10.269	98	173982	10.449	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.900%	#	
62) 4-Bromofluorobenzene	12.575	95	57526	10.258	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.520%	#	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	30806	10.790	ug/l	96
3) Chloromethane	2.152	50	43933	9.692	ug/l	99
4) Vinyl Chloride	2.287	62	41665	9.426	ug/l	96
5) Bromomethane	2.693	94	22982	9.922	ug/l	99
6) Chloroethane	2.840	64	29489	9.909	ug/l	92
7) Trichlorofluoromethane	3.181	101	62465	10.091	ug/l	92
8) Diethyl Ether	3.593	74	23504	10.563	ug/l #	53
9) 1,1,2-Trichlorotrifluo...	3.975	101	37073	9.921	ug/l	95
10) Methyl Iodide	4.163	142	36189	10.333	ug/l #	90
11) Tert butyl alcohol	5.046	59	20793	52.425	ug/l #	73
12) 1,1-Dichloroethene	3.946	96	34572	9.772	ug/l #	52
13) Acrolein	3.793	56	28087	53.701	ug/l	99
14) Allyl chloride	4.563	41	85816	10.055	ug/l #	83
15) Acrylonitrile	5.252	53	62499	51.959	ug/l	97
16) Acetone	4.028	43	67337	50.823	ug/l #	76
17) Carbon Disulfide	4.275	76	74619	10.080	ug/l #	93
18) Methyl Acetate	4.563	43	46687	9.660	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	115906	10.437	ug/l #	91
20) Methylene Chloride	4.805	84	55281	9.122	ug/l #	71
21) trans-1,2-Dichloroethene	5.316	96	39590	9.609	ug/l #	71
22) Diisopropyl ether	6.222	45	182537	10.063	ug/l #	87
23) Vinyl Acetate	6.157	43	388386	49.227	ug/l #	84
24) 1,1-Dichloroethane	6.116	63	95275	10.123	ug/l	93
25) 2-Butanone	7.081	43	90985	51.484	ug/l #	79
26) 2,2-Dichloropropane	7.081	77	85814	10.288	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	51945	10.176	ug/l	68
28) Bromochloromethane	7.428	49	32288	9.354	ug/l #	57
29) Tetrahydrofuran	7.446	42	51804	49.425	ug/l #	74
30) Chloroform	7.598	83	91645	10.428	ug/l	91
31) Cyclohexane	7.875	56	76252	9.742	ug/l #	80
32) 1,1,1-Trichloroethane	7.798	97	75384	10.411	ug/l	94
36) 1,1-Dichloropropene	8.004	75	63563	10.001	ug/l	92
37) Ethyl Acetate	7.175	43	34486	9.455	ug/l #	93
38) Carbon Tetrachloride	7.987	117	61909	10.337	ug/l	90
39) Methylcyclohexane	9.269	83	69839	9.631	ug/l #	85
40) Benzene	8.251	78	182859	10.090	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	24939	10.686	ug/l #	77
42) 1,2-Dichloroethane	8.328	62	60140	10.477	ug/l	92
43) Isopropyl Acetate	8.363	43	75391	10.016	ug/l #	83
44) Trichloroethene	9.034	130	45106	10.161	ug/l	90
45) 1,2-Dichloropropane	9.304	63	55275	10.360	ug/l	99
46) Dibromomethane	9.393	93	27012	10.520	ug/l #	86
47) Bromodichloromethane	9.587	83	70411	10.375	ug/l	97
48) Methyl methacrylate	9.387	41	36169	10.067	ug/l #	64
49) 1,4-Dioxane	9.375	88	5766	208.985	ug/l #	63
51) 4-Methyl-2-Pentanone	10.163	43	191732	51.752	ug/l #	83
52) Toluene	10.334	92	114742	10.386	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	74406	10.354	ug/l	90
54) cis-1,3-Dichloropropene	10.016	75	84590	10.229	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	35041	10.229	ug/l	94
56) Ethyl methacrylate	10.598	69	50967	10.006	ug/l #	61
57) 1,3-Dichloropropane	10.881	76	67225	10.499	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	120582	47.288	ug/l #	86
59) 2-Hexanone	10.922	43	144775	53.046	ug/l	79
60) Dibromochloromethane	11.075	129	43020	10.444	ug/l	92
61) 1,2-Dibromoethane	11.181	107	33462	10.315	ug/l	99
64) Tetrachloroethene	10.810	164	36380	10.276	ug/l	96
65) Chlorobenzene	11.610	112	120077	10.308	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	44208	10.042	ug/l	99
67) Ethyl Benzene	11.687	91	229702	10.248	ug/l	94
68) m/p-Xylenes	11.792	106	166390	20.557	ug/l	81
69) o-Xylene	12.122	106	79745	10.286	ug/l	78
70) Styrene	12.134	104	138341	10.344	ug/l #	88
71) Bromoform	12.304	173	25785	10.565	ug/l #	99
73) Isopropylbenzene	12.422	105	213471	10.615	ug/l	95
74) N-amyl acetate	12.234	43	74089	10.401	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.675	83	42090	10.677	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	31234m	9.476	ug/l	
77) Bromobenzene	12.704	156	45166	10.203	ug/l	67
78) n-propylbenzene	12.763	91	269800	10.566	ug/l	94
79) 2-Chlorotoluene	12.851	91	154218	10.666	ug/l	88
80) 1,3,5-Trimethylbenzene	12.904	105	178405	10.572	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.469	75	17096	11.000	ug/l #	83
82) 4-Chlorotoluene	12.945	91	161974	10.755	ug/l	88
83) tert-Butylbenzene	13.169	119	151768	10.697	ug/l	89
84) 1,2,4-Trimethylbenzene	13.216	105	179270	10.695	ug/l	93
85) sec-Butylbenzene	13.345	105	232374	10.705	ug/l	94
86) p-Isopropyltoluene	13.463	119	187778	10.642	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	91325	10.495	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	93351	10.738	ug/l	94
89) n-Butylbenzene	13.786	91	194239	10.591	ug/l	97
90) Hexachloroethane	14.057	117	37646	10.426	ug/l	93
91) 1,2-Dichlorobenzene	13.833	146	82230	10.753	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6924	10.426	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	55534	10.571	ug/l	98
94) Hexachlorobutadiene	15.204	225	30233	10.669	ug/l	96
95) Naphthalene	15.333	128	105595	10.537	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	47037	10.373	ug/l	98

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

