

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077454.D
 Acq On : 31 Oct 2023 11:48
 Operator : JC/SY
 Sample : VD1031SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Quant Time: Nov 01 06:03:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	294180	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	521480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	457122	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	205173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	185189	44.518	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.040%		
35) Dibromofluoromethane	7.810	113	159682	44.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.600%		
50) Toluene-d8	10.269	98	631376	45.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.200%		
62) 4-Bromofluorobenzene	12.575	95	206189	43.728	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.460%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	47531	20.038	ug/l	99
3) Chloromethane	2.152	50	72062	19.135	ug/l	99
4) Vinyl Chloride	2.287	62	74102	20.178	ug/l	99
5) Bromomethane	2.693	94	37894	19.692	ug/l	98
6) Chloroethane	2.840	64	49419	19.987	ug/l	90
7) Trichlorofluoromethane	3.175	101	100280	19.499	ug/l	98
8) Diethyl Ether	3.593	74	35823	19.378	ug/l #	47
9) 1,1,2-Trichlorotrifluo...	3.969	101	63253	20.373	ug/l	93
10) Methyl Iodide	4.169	142	56111	16.558	ug/l #	88
11) Tert butyl alcohol	5.046	59	32459	98.505	ug/l #	94
12) 1,1-Dichloroethene	3.946	96	55665	18.939	ug/l #	62
13) Acrolein	3.805	56	47024	108.217	ug/l	100
14) Allyl chloride	4.563	41	136571	19.261	ug/l #	83
15) Acrylonitrile	5.252	53	103116	103.185	ug/l	99
16) Acetone	4.022	43	102295	92.932	ug/l #	78
17) Carbon Disulfide	4.275	76	119268	15.923	ug/l	100
18) Methyl Acetate	4.569	43	78109	19.454	ug/l #	75
19) Methyl tert-butyl Ether	5.316	73	183162	19.853	ug/l #	88
20) Methylene Chloride	4.805	84	80312	17.853	ug/l #	62
21) trans-1,2-Dichloroethene	5.316	96	63999	18.696	ug/l #	71
22) Diisopropyl ether	6.216	45	299500	19.874	ug/l #	87
23) Vinyl Acetate	6.157	43	634324m	97.566	ug/l	
24) 1,1-Dichloroethane	6.110	63	152557	19.510	ug/l	92
25) 2-Butanone	7.081	43	147472	100.442	ug/l #	70
26) 2,2-Dichloropropane	7.075	77	134738	19.443	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	81431	19.201	ug/l	67
28) Bromochloromethane	7.428	49	55604	17.130	ug/l #	52
29) Tetrahydrofuran	7.446	42	87220	100.162	ug/l #	70
30) Chloroform	7.599	83	142283	19.488	ug/l	97
31) Cyclohexane	7.881	56	121628	18.704	ug/l #	76
32) 1,1,1-Trichloroethane	7.793	97	120832	20.087	ug/l	94
36) 1,1-Dichloropropene	8.010	75	102441	19.170	ug/l	92
37) Ethyl Acetate	7.163	43	61702	20.119	ug/l #	88
38) Carbon Tetrachloride	7.993	117	94475	18.761	ug/l	99
39) Methylcyclohexane	9.275	83	111383	18.267	ug/l #	74
40) Benzene	8.252	78	296850	19.481	ug/l	100

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41) Methacrylonitrile	7.399	41	35281	17.979	ug/l #	77
42) 1,2-Dichloroethane	8.328	62	96159	19.924	ug/l	90
43) Isopropyl Acetate	8.357	43	128667	20.331	ug/l #	79
44) Trichloroethene	9.028	130	72126	19.323	ug/l	85
45) 1,2-Dichloropropane	9.304	63	91518	20.400	ug/l	97
46) Dibromomethane	9.399	93	41027	19.003	ug/l	89
47) Bromodichloromethane	9.587	83	110864	19.428	ug/l	98
48) Methyl methacrylate	9.381	41	61299	20.291	ug/l #	62
49) 1,4-Dioxane	9.381	88	9477	408.513	ug/l #	58
51) 4-Methyl-2-Pentanone	10.157	43	312589	100.347	ug/l #	81
52) Toluene	10.334	92	181902	19.581	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	118472	19.606	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	136107	19.574	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	56668	19.674	ug/l	95
56) Ethyl methacrylate	10.598	69	84167	19.653	ug/l #	61
57) 1,3-Dichloropropane	10.881	76	106569	19.794	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	199942	93.255	ug/l #	83
59) 2-Hexanone	10.922	43	226549	98.723	ug/l	76
60) Dibromochloromethane	11.075	129	67696	19.545	ug/l	96
61) 1,2-Dibromoethane	11.181	107	52429	19.221	ug/l	97
64) Tetrachloroethene	10.810	164	54393	18.690	ug/l	92
65) Chlorobenzene	11.610	112	187564	19.585	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	69312	19.152	ug/l	98
67) Ethyl Benzene	11.687	91	367027	19.918	ug/l	94
68) m/p-Xylenes	11.792	106	261613	39.317	ug/l	79
69) o-Xylene	12.122	106	125890	19.752	ug/l	78
70) Styrene	12.140	104	216203	19.663	ug/l #	90
71) Bromoform	12.298	173	38280	19.079	ug/l #	99
73) Isopropylbenzene	12.422	105	342267	20.461	ug/l	95
74) N-amyl acetate	12.234	43	123084	20.773	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	70396	21.468	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	50750m	20.323	ug/l	
77) Bromobenzene	12.704	156	71411	19.394	ug/l	68
78) n-propylbenzene	12.763	91	437275	20.587	ug/l	92
79) 2-Chlorotoluene	12.851	91	242809	20.190	ug/l	87
80) 1,3,5-Trimethylbenzene	12.904	105	285079	20.310	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.469	75	26278	20.327	ug/l	87
82) 4-Chlorotoluene	12.951	91	251232	20.055	ug/l	86
83) tert-Butylbenzene	13.169	119	238543	20.214	ug/l	87
84) 1,2,4-Trimethylbenzene	13.216	105	282901	20.290	ug/l	91
85) sec-Butylbenzene	13.345	105	373097	20.663	ug/l	94
86) p-Isopropyltoluene	13.463	119	304871	20.773	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	142382	19.672	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	144041	19.919	ug/l	95
89) n-Butylbenzene	13.787	91	321303	21.063	ug/l	97
90) Hexachloroethane	14.057	117	60577	20.170	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	126307	19.858	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	11121	20.132	ug/l	78
93) 1,2,4-Trichlorobenzene	15.098	180	83928	19.207	ug/l	98
94) Hexachlorobutadiene	15.204	225	46096	19.557	ug/l	99
95) Naphthalene	15.333	128	163568	19.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	72398	19.194	ug/l	98

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

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