

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110623\
 Data File : VD077506.D
 Acq On : 06 Nov 2023 11:34
 Operator : JC/SY
 Sample : VD1106SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2023
 Supervised By : Mahesh Dadoda 11/07/2023

Quant Time: Nov 07 02:08:10 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	226715	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	402805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	348859	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	160369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	150777	47.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.060%		
35) Dibromofluoromethane	7.805	113	134137	48.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.360%		
50) Toluene-d8	10.269	98	551268	50.978	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.960%		
62) 4-Bromofluorobenzene	12.575	95	171892	47.195	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	34197	18.707	ug/l	97
3) Chloromethane	2.152	50	53369	18.388	ug/l	99
4) Vinyl Chloride	2.287	62	60868	21.507	ug/l	97
5) Bromomethane	2.693	94	34015	22.936	ug/l	99
6) Chloroethane	2.840	64	44275	23.236	ug/l	94
7) Trichlorofluoromethane	3.181	101	77221	19.484	ug/l	98
8) Diethyl Ether	3.593	74	25009	17.554	ug/l #	53
9) 1,1,2-Trichlorotrifluo...	3.970	101	46130	19.280	ug/l	92
10) Methyl Iodide	4.175	142	38094	14.961	ug/l #	86
11) Tert butyl alcohol	5.046	59	24435	96.221	ug/l #	86
12) 1,1-Dichloroethene	3.946	96	41670	18.396	ug/l #	69
13) Acrolein	3.793	56	30879	92.209	ug/l	99
14) Allyl chloride	4.570	41	97631	17.866	ug/l #	82
15) Acrylonitrile	5.258	53	72958	94.732	ug/l	95
16) Acetone	4.028	43	91190	107.496	ug/l #	78
17) Carbon Disulfide	4.275	76	79158	14.234	ug/l	96
18) Methyl Acetate	4.570	43	55419	17.910	ug/l #	78
19) Methyl tert-butyl Ether	5.317	73	129101	18.157	ug/l	97
20) Methylene Chloride	4.805	84	72710	21.417	ug/l #	68
21) trans-1,2-Dichloroethene	5.322	96	46386	17.583	ug/l #	81
22) Diisopropyl ether	6.222	45	212681	18.312	ug/l #	89
23) Vinyl Acetate	6.158	43	455515m	90.912	ug/l	
24) 1,1-Dichloroethane	6.117	63	112758	18.711	ug/l	94
25) 2-Butanone	7.081	43	110781	97.905	ug/l #	74
26) 2,2-Dichloropropane	7.075	77	102440	19.181	ug/l	87
27) cis-1,2-Dichloroethene	7.081	96	60117	18.394	ug/l	68
28) Bromochloromethane	7.422	49	41449	16.638	ug/l #	55
29) Tetrahydrofuran	7.446	42	60533	90.201	ug/l #	71
30) Chloroform	7.593	83	106246	18.882	ug/l	88
31) Cyclohexane	7.875	56	86580	17.276	ug/l #	75
32) 1,1,1-Trichloroethane	7.799	97	91787	19.799	ug/l	94
36) 1,1-Dichloropropene	8.011	75	74396	18.023	ug/l	94
37) Ethyl Acetate	7.175	43	43497	18.362	ug/l #	90
38) Carbon Tetrachloride	7.993	117	75025	19.288	ug/l	96
39) Methylcyclohexane	9.275	83	80185	17.025	ug/l #	81
40) Benzene	8.252	78	219226	18.625	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	24863	16.403	ug/l #	76
42) 1,2-Dichloroethane	8.328	62	68068	18.258	ug/l	91
43) Isopropyl Acetate	8.363	43	89011	18.208	ug/l #	80
44) Trichloroethene	9.034	130	53840	18.674	ug/l	91
45) 1,2-Dichloropropane	9.305	63	64891	18.726	ug/l	96
46) Dibromomethane	9.399	93	28799	17.269	ug/l	91
47) Bromodichloromethane	9.587	83	83020	18.835	ug/l	97
48) Methyl methacrylate	9.381	41	36885	15.807	ug/l #	70
49) 1,4-Dioxane	9.387	88	6736	375.906	ug/l #	55
51) 4-Methyl-2-Pentanone	10.157	43	222191	92.342	ug/l #	82
52) Toluene	10.334	92	138137	19.251	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	87515	18.750	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	98514	18.342	ug/l #	81
55) 1,1,2-Trichloroethane	10.734	97	42636	19.163	ug/l	91
56) Ethyl methacrylate	10.599	69	59614	18.021	ug/l #	64
57) 1,3-Dichloropropane	10.881	76	78690	18.922	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	143523	86.662	ug/l #	86
59) 2-Hexanone	10.922	43	174106	98.223	ug/l	78
60) Dibromochloromethane	11.075	129	50237	18.778	ug/l	98
61) 1,2-Dibromoethane	11.181	107	37534	17.814	ug/l	99
64) Tetrachloroethene	10.810	164	42148	18.977	ug/l	92
65) Chlorobenzene	11.610	112	144207	19.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	53872	19.506	ug/l	95
67) Ethyl Benzene	11.687	91	277686	19.747	ug/l	95
68) m/p-Xylenes	11.793	106	200176	39.420	ug/l	81
69) o-Xylene	12.122	106	96352	19.809	ug/l	83
70) Styrene	12.140	104	164503	19.604	ug/l #	89
71) Bromoform	12.299	173	28298	18.481	ug/l #	95
73) Isopropylbenzene	12.422	105	264898	20.260	ug/l	94
74) N-amyl acetate	12.234	43	83324	17.992	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.675	83	50646	19.760	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	39388m	20.180	ug/l	
77) Bromobenzene	12.704	156	54741	19.021	ug/l	73
78) n-propylbenzene	12.763	91	335512	20.209	ug/l	92
79) 2-Chlorotoluene	12.851	91	184776	19.657	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	214989	19.596	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	18989	18.792	ug/l	85
82) 4-Chlorotoluene	12.951	91	185342	18.929	ug/l	90
83) tert-Butylbenzene	13.169	119	184727	20.027	ug/l	89
84) 1,2,4-Trimethylbenzene	13.216	105	216515	19.867	ug/l	92
85) sec-Butylbenzene	13.346	105	292660	20.736	ug/l	93
86) p-Isopropyltoluene	13.463	119	234616	20.452	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	111373	19.687	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	111215	19.677	ug/l	96
89) n-Butylbenzene	13.793	91	243762	20.444	ug/l	97
90) Hexachloroethane	14.057	117	45685	19.461	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	99657	20.045	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	8069	18.688	ug/l	78
93) 1,2,4-Trichlorobenzene	15.104	180	65248	19.104	ug/l	97
94) Hexachlorobutadiene	15.204	225	35106	19.055	ug/l	98
95) Naphthalene	15.334	128	126653	19.439	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	54818	18.594	ug/l	98

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

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