

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076769.D
 Acq On : 18 Jul 2023 11:04
 Operator : KP/SY
 Sample : VD0718SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0718SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 06:41:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	185324	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	336412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	301505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	142399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86348	46.779	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.560%		
35) Dibromofluoromethane	7.805	113	104125	49.254	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.500%		
50) Toluene-d8	10.269	98	360360	47.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.300%		
62) 4-Bromofluorobenzene	12.569	95	114259	46.702	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.929	85	34593	23.870	ug/l	97
3) Chloromethane	2.146	50	46203	18.482	ug/l	100
4) Vinyl Chloride	2.281	62	70152	21.051	ug/l	93
5) Bromomethane	2.676	94	57264	20.885	ug/l	97
6) Chloroethane	2.823	64	50757	20.173	ug/l	97
7) Trichlorofluoromethane	3.164	101	66982	22.589	ug/l	91
8) Diethyl Ether	3.593	74	20388	19.970	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.958	101	44936	23.054	ug/l	94
10) Methyl Iodide	4.158	142	45956	20.915	ug/l	93
11) Tert butyl alcohol	5.058	59	13108	95.163	ug/l	96
12) 1,1-Dichloroethene	3.934	96	36670	20.024	ug/l	# 79
13) Acrolein	3.799	56	10442	111.243	ug/l	97
14) Allyl chloride	4.552	41	47265	19.647	ug/l	93
15) Acrylonitrile	5.258	53	45999	91.735	ug/l	99
16) Acetone	4.017	43	42039	95.362	ug/l	87
17) Carbon Disulfide	4.264	76	83860	19.606	ug/l	96
18) Methyl Acetate	4.564	43	33908	20.472	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	91188	18.568	ug/l	97
20) Methylene Chloride	4.799	84	65773	18.585	ug/l	88
21) trans-1,2-Dichloroethene	5.311	96	42922	20.164	ug/l	93
22) Diisopropyl ether	6.222	45	109614	19.242	ug/l	96
23) Vinyl Acetate	6.152	43	238637m	84.665	ug/l	
24) 1,1-Dichloroethane	6.111	63	78905	20.544	ug/l	99
25) 2-Butanone	7.081	43	58667	99.437	ug/l	91
26) 2,2-Dichloropropane	7.075	77	65924	19.911	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	50709	19.324	ug/l	94
28) Bromochloromethane	7.422	49	21253	22.133	ug/l	86
29) Tetrahydrofuran	7.440	42	32873	94.303	ug/l	90
30) Chloroform	7.593	83	86673	20.603	ug/l	99
31) Cyclohexane	7.875	56	58524	21.543	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	73500	21.655	ug/l	99
36) 1,1-Dichloropropene	8.011	75	59415	21.508	ug/l	94
37) Ethyl Acetate	7.164	43	24731	20.019	ug/l	# 92
38) Carbon Tetrachloride	7.987	117	58453	22.098	ug/l	94
39) Methylcyclohexane	9.269	83	67342	21.112	ug/l	94
40) Benzene	8.246	78	179208	20.560	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	12519	16.594	ug/l #	90
42) 1,2-Dichloroethane	8.322	62	45498	20.090	ug/l	99
43) Isopropyl Acetate	8.363	43	44183	18.325	ug/l #	81
44) Trichloroethene	9.028	130	48643	20.480	ug/l	87
45) 1,2-Dichloropropane	9.305	63	44667	19.852	ug/l	99
46) Dibromomethane	9.393	93	26189	19.885	ug/l	90
47) Bromodichloromethane	9.587	83	65357	19.775	ug/l	99
48) Methyl methacrylate	9.381	41	19142	17.444	ug/l #	83
49) 1,4-Dioxane	9.393	88	6457	382.669	ug/l #	96
51) 4-Methyl-2-Pentanone	10.157	43	120038	93.509	ug/l	91
52) Toluene	10.334	92	116178	20.294	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	57582	18.771	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	70389	19.469	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	36870	19.172	ug/l	92
56) Ethyl methacrylate	10.599	69	40580	18.282	ug/l	91
57) 1,3-Dichloropropane	10.881	76	61536	19.648	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	83614	97.316	ug/l	96
59) 2-Hexanone	10.922	43	87235	95.237	ug/l	92
60) Dibromochloromethane	11.075	129	44892	20.094	ug/l	96
61) 1,2-Dibromoethane	11.181	107	34397	19.292	ug/l	97
64) Tetrachloroethene	10.810	164	40315	23.449	ug/l	99
65) Chlorobenzene	11.604	112	124077	20.462	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	47147	20.883	ug/l	92
67) Ethyl Benzene	11.681	91	218927	20.558	ug/l	96
68) m/p-Xylenes	11.793	106	171572	41.949	ug/l	92
69) o-Xylene	12.122	106	78820	19.929	ug/l	90
70) Styrene	12.134	104	138349	19.982	ug/l	98
71) Bromoform	12.299	173	25158	20.347	ug/l #	97
73) Isopropylbenzene	12.422	105	214864	20.797	ug/l	95
74) N-amyl acetate	12.234	43	41107	18.887	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.669	83	43519	19.619	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	28613m	21.129	ug/l	
77) Bromobenzene	12.699	156	49324	20.683	ug/l	89
78) n-propylbenzene	12.763	91	269229	21.496	ug/l	94
79) 2-Chlorotoluene	12.846	91	143205	20.853	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	175540	21.013	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	13182	20.717	ug/l	97
82) 4-Chlorotoluene	12.946	91	151533	21.122	ug/l	93
83) tert-Butylbenzene	13.163	119	159721	21.715	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	173723	20.350	ug/l	97
85) sec-Butylbenzene	13.346	105	241607	21.499	ug/l	94
86) p-Isopropyltoluene	13.457	119	195756	21.092	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	101163	20.625	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	99442	20.693	ug/l	97
89) n-Butylbenzene	13.787	91	191721	21.110	ug/l	97
90) Hexachloroethane	14.051	117	39193	22.842	ug/l	81
91) 1,2-Dichlorobenzene	13.828	146	89524	20.713	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6431	20.333	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	54400	20.617	ug/l	96
94) Hexachlorobutadiene	15.204	225	26839	21.149	ug/l	97
95) Naphthalene	15.328	128	106304	18.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	47611	20.107	ug/l	99

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

