

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076768.D
 Acq On : 18 Jul 2023 10:36
 Operator : KP/SY
 Sample : VD0718SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 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 06:40:27 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	187561	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	339123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	301791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	145517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84731	45.355	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.720%		
35) Dibromofluoromethane	7.805	113	99788	46.825	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.660%		
50) Toluene-d8	10.269	98	341489	44.793	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.580%		
62) 4-Bromofluorobenzene	12.575	95	112234	45.508	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.020%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	34856	23.765	ug/l	98
3) Chloromethane	2.146	50	48507	19.172	ug/l	95
4) Vinyl Chloride	2.275	62	67414	19.988	ug/l	97
5) Bromomethane	2.675	94	56802	20.469	ug/l	99
6) Chloroethane	2.828	64	51488	20.220	ug/l	99
7) Trichlorofluoromethane	3.164	101	67935	22.637	ug/l	100
8) Diethyl Ether	3.587	74	19307	18.686	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.952	101	44502	22.559	ug/l	95
10) Methyl Iodide	4.158	142	43846	19.717	ug/l	95
11) Tert butyl alcohol	5.064	59	14026	100.613	ug/l	# 92
12) 1,1-Dichloroethene	3.934	96	38522	20.785	ug/l	89
13) Acrolein	3.793	56	9498	99.979	ug/l	95
14) Allyl chloride	4.552	41	48196	19.795	ug/l	92
15) Acrylonitrile	5.252	53	45242	89.150	ug/l	96
16) Acetone	4.017	43	41246	92.447	ug/l	# 83
17) Carbon Disulfide	4.264	76	84731	19.574	ug/l	# 95
18) Methyl Acetate	4.564	43	34149	20.372	ug/l	94
19) Methyl tert-butyl Ether	5.316	73	92074	18.525	ug/l	97
20) Methylene Chloride	4.793	84	71823	21.077	ug/l	93
21) trans-1,2-Dichloroethene	5.305	96	42555	19.753	ug/l	98
22) Diisopropyl ether	6.216	45	114879	19.926	ug/l	96
23) Vinyl Acetate	6.158	43	247447m	86.743	ug/l	
24) 1,1-Dichloroethane	6.105	63	79421	20.431	ug/l	98
25) 2-Butanone	7.081	43	59031	98.860	ug/l	89
26) 2,2-Dichloropropane	7.075	77	70624	21.076	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	52279	19.685	ug/l	94
28) Bromochloromethane	7.422	49	21579	22.204	ug/l	87
29) Tetrahydrofuran	7.446	42	32101	90.990	ug/l	93
30) Chloroform	7.587	83	85425	20.064	ug/l	96
31) Cyclohexane	7.875	56	57092	20.766	ug/l	# 92
32) 1,1,1-Trichloroethane	7.793	97	73059	21.268	ug/l	98
36) 1,1-Dichloropropene	8.005	75	60097	21.581	ug/l	95
37) Ethyl Acetate	7.169	43	23928	19.214	ug/l	98
38) Carbon Tetrachloride	7.993	117	58522	21.948	ug/l	90
39) Methylcyclohexane	9.269	83	70667	21.978	ug/l	95
40) Benzene	8.252	78	178260	20.288	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	14303	18.808	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	47539	20.823	ug/l	97
43) Isopropyl Acetate	8.357	43	44279	18.218	ug/l	94
44) Trichloroethene	9.034	130	47858	19.988	ug/l	100
45) 1,2-Dichloropropane	9.304	63	46822	20.644	ug/l	97
46) Dibromomethane	9.393	93	27459	20.683	ug/l	87
47) Bromodichloromethane	9.581	83	67568	20.281	ug/l	97
48) Methyl methacrylate	9.381	41	21634	19.557	ug/l #	81
49) 1,4-Dioxane	9.387	88	5259	309.179	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	121873	94.180	ug/l	92
52) Toluene	10.334	92	115198	19.962	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	58735	18.994	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	70289	19.286	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	39111	20.174	ug/l	93
56) Ethyl methacrylate	10.599	69	41019	18.332	ug/l #	90
57) 1,3-Dichloropropane	10.881	76	61812	19.578	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	86027	99.324	ug/l	99
59) 2-Hexanone	10.922	43	86619	93.809	ug/l	95
60) Dibromochloromethane	11.069	129	45187	20.064	ug/l	99
61) 1,2-Dibromoethane	11.181	107	35312	19.647	ug/l	100
64) Tetrachloroethene	10.810	164	40956	23.800	ug/l	93
65) Chlorobenzene	11.604	112	126989	20.922	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	46861	20.737	ug/l	97
67) Ethyl Benzene	11.681	91	224649	21.075	ug/l	96
68) m/p-Xylenes	11.793	106	170820	41.726	ug/l	93
69) o-Xylene	12.122	106	80941	20.446	ug/l	93
70) Styrene	12.134	104	144513	20.853	ug/l	98
71) Bromoform	12.298	173	25818	20.861	ug/l #	97
73) Isopropylbenzene	12.422	105	218169	20.665	ug/l	95
74) N-amyl acetate	12.234	43	42860	19.270	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.669	83	46309	20.429	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	26998m	19.509	ug/l	
77) Bromobenzene	12.698	156	47677	19.564	ug/l	85
78) n-propylbenzene	12.763	91	270467	21.132	ug/l	96
79) 2-Chlorotoluene	12.845	91	142735	20.339	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	177920	20.842	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	12276	18.880	ug/l	98
82) 4-Chlorotoluene	12.945	91	151219	20.626	ug/l	94
83) tert-Butylbenzene	13.169	119	157811	20.995	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	176335	20.213	ug/l	97
85) sec-Butylbenzene	13.345	105	249458	21.722	ug/l	94
86) p-Isopropyltoluene	13.463	119	201480	21.244	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	99642	19.879	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	100764	20.519	ug/l	96
89) n-Butylbenzene	13.787	91	196447	21.167	ug/l	96
90) Hexachloroethane	14.051	117	40417	23.051	ug/l	86
91) 1,2-Dichlorobenzene	13.834	146	87487	19.808	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6383	19.749	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	51909	19.251	ug/l	99
94) Hexachlorobutadiene	15.198	225	27207	20.980	ug/l	100
95) Naphthalene	15.328	128	106505	18.242	ug/l	96
96) 1,2,3-Trichlorobenzene	15.516	180	46478	19.208	ug/l	99

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

