

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077361.D
 Acq On : 20 Oct 2023 12:19
 Operator : JC/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/23/2023
 Supervised By : Mahesh Dadoda 10/24/2023

Quant Time: Oct 21 05:27:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	172858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	297624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	283045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	146819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80301	52.025	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	104.040%		
35) Dibromofluoromethane	7.805	113	97366	46.566	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.140%		
50) Toluene-d8	10.269	98	358362	47.856	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.720%		
62) 4-Bromofluorobenzene	12.575	95	101722	47.190	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	35884	22.329	ug/l	92
3) Chloromethane	2.152	50	63118	19.287	ug/l	96
4) Vinyl Chloride	2.287	62	93699	24.239	ug/l	100
5) Bromomethane	2.687	94	65052	26.187	ug/l	99
6) Chloroethane	2.834	64	68014	25.028	ug/l	97
7) Trichlorofluoromethane	3.175	101	101694	25.933	ug/l	88
8) Diethyl Ether	3.599	74	18220	17.335	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.964	101	42008	20.706	ug/l	97
10) Methyl Iodide	4.164	142	37643	15.164	ug/l #	88
11) Tert butyl alcohol	5.052	59	8565	98.643	ug/l #	90
12) 1,1-Dichloroethene	3.940	96	37145	18.663	ug/l	94
13) Acrolein	3.799	56	14786	98.099	ug/l	98
14) Allyl chloride	4.564	41	40333	21.358	ug/l	96
15) Acrylonitrile	5.258	53	37817	118.732	ug/l	99
16) Acetone	4.017	43	35353	104.448	ug/l #	84
17) Carbon Disulfide	4.269	76	120956	20.674	ug/l	99
18) Methyl Acetate	4.558	43	26246	22.280	ug/l	91
19) Methyl tert-butyl Ether	5.316	73	70703	20.857	ug/l #	91
20) Methylene Chloride	4.799	84	67437	31.117	ug/l	91
21) trans-1,2-Dichloroethene	5.316	96	44463	21.479	ug/l	98
22) Diisopropyl ether	6.211	45	94985	25.623	ug/l	93
23) Vinyl Acetate	6.158	43	213990	123.179	ug/l	98
24) 1,1-Dichloroethane	6.116	63	74286	24.102	ug/l	100
25) 2-Butanone	7.081	43	41412	117.946	ug/l	97
26) 2,2-Dichloropropane	7.075	77	62954	22.401	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	47924	20.647	ug/l	98
28) Bromochloromethane	7.434	49	27471	24.400	ug/l	90
29) Tetrahydrofuran	7.446	42	24032	118.654	ug/l	99
30) Chloroform	7.599	83	82911	23.446	ug/l	94
31) Cyclohexane	7.881	56	55727	23.205	ug/l	94
32) 1,1,1-Trichloroethane	7.799	97	68961	22.604	ug/l	99
36) 1,1-Dichloropropene	8.010	75	58355	21.240	ug/l	99
37) Ethyl Acetate	7.169	43	18196	21.084	ug/l	98
38) Carbon Tetrachloride	7.993	117	62935	20.591	ug/l	96
39) Methylcyclohexane	9.275	83	63759	19.099	ug/l	97
40) Benzene	8.252	78	176378	21.154	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	8375m	20.334	ug/l	
42) 1,2-Dichloroethane	8.328	62	43958	22.383	ug/l	98
43) Isopropyl Acetate	8.363	43	35619	22.926	ug/l #	81
44) Trichloroethene	9.034	130	48365	19.841	ug/l	97
45) 1,2-Dichloropropane	9.304	63	44325	23.062	ug/l	92
46) Dibromomethane	9.393	93	25121	20.907	ug/l	91
47) Bromodichloromethane	9.587	83	61650	21.517	ug/l	99
48) Methyl methacrylate	9.381	41	15460	21.996	ug/l	89
49) 1,4-Dioxane	9.387	88	4337	390.766	ug/l	97
51) 4-Methyl-2-Pentanone	10.163	43	91341	117.281	ug/l	94
52) Toluene	10.334	92	113928	20.928	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	53419	20.771	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	67143	21.338	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	34495	20.727	ug/l	92
56) Ethyl methacrylate	10.599	69	32574	20.481	ug/l	98
57) 1,3-Dichloropropane	10.881	76	56413	22.067	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	86549	110.039	ug/l	98
59) 2-Hexanone	10.922	43	66303	118.533	ug/l	94
60) Dibromochloromethane	11.075	129	42408	19.956	ug/l	96
61) 1,2-Dibromoethane	11.181	107	31274	19.942	ug/l	96
64) Tetrachloroethene	10.810	164	39402	18.729	ug/l	92
65) Chlorobenzene	11.610	112	120455	19.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	46108	19.660	ug/l	98
67) Ethyl Benzene	11.687	91	198134	19.373	ug/l	99
68) m/p-Xylenes	11.793	106	166642	39.680	ug/l	96
69) o-Xylene	12.122	106	72110	18.652	ug/l	95
70) Styrene	12.140	104	129549	19.640	ug/l	99
71) Bromoform	12.304	173	24289	18.893	ug/l #	98
73) Isopropylbenzene	12.422	105	187223	19.279	ug/l	98
74) N-amyl acetate	12.234	43	30829	22.067	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	39748	22.524	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	31397m	17.628	ug/l	
77) Bromobenzene	12.704	156	47407	18.594	ug/l	94
78) n-propylbenzene	12.763	91	242121	20.702	ug/l	97
79) 2-Chlorotoluene	12.851	91	129243	20.288	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	163108	20.353	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	11700	21.353	ug/l	97
82) 4-Chlorotoluene	12.951	91	140309	21.156	ug/l	99
83) tert-Butylbenzene	13.169	119	131587	18.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	160710	19.918	ug/l	98
85) sec-Butylbenzene	13.345	105	215874	20.191	ug/l	97
86) p-Isopropyltoluene	13.463	119	176909	19.046	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	101934	18.998	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	102113	19.205	ug/l	99
89) n-Butylbenzene	13.787	91	200470	24.787	ug/l	97
90) Hexachloroethane	14.057	117	39694	21.142	ug/l	90
91) 1,2-Dichlorobenzene	13.834	146	106917	23.589	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4840	22.408	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	47434	16.797	ug/l	99
94) Hexachlorobutadiene	15.204	225	26352	16.431	ug/l	98
95) Naphthalene	15.334	128	81555	17.105	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	41180	16.800	ug/l	99

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

