

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077036.D
 Acq On : 28 Aug 2023 11:25
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2023
 Supervised By :Mahesh Dadoda 08/29/2023

Quant Time: Aug 28 13:23:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 28 12:57:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	202806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	339938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	321174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	165116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97912	49.036	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.080%		
35) Dibromofluoromethane	7.804	113	113017	49.765	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.540%		
50) Toluene-d8	10.269	98	418093	50.888	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.780%		
62) 4-Bromofluorobenzene	12.575	95	127754	52.740	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	92910	47.878	ug/l	99
3) Chloromethane	2.146	50	179731	54.830	ug/l	99
4) Vinyl Chloride	2.281	62	205700	49.621	ug/l	100
5) Bromomethane	2.681	94	173097	48.823	ug/l	97
6) Chloroethane	2.828	64	142460	50.602	ug/l	99
7) Trichlorofluoromethane	3.169	101	182765	48.728	ug/l	94
8) Diethyl Ether	3.587	74	56078	54.614	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.963	101	108853	49.704	ug/l	99
10) Methyl Iodide	4.152	142	156598	56.089	ug/l #	90
11) Tert butyl alcohol	5.052	59	31458	262.579	ug/l #	93
12) 1,1-Dichloroethene	3.934	96	110170	50.709	ug/l	91
13) Acrolein	3.793	56	67685	269.253	ug/l	96
14) Allyl chloride	4.558	41	122515	51.116	ug/l	93
15) Acrylonitrile	5.258	53	123072	270.842	ug/l	99
16) Acetone	4.022	43	114170	250.851	ug/l #	86
17) Carbon Disulfide	4.263	76	322286	48.606	ug/l	99
18) Methyl Acetate	4.558	43	84253	54.711	ug/l	94
19) Methyl tert-butyl Ether	5.316	73	257892	54.730	ug/l	98
20) Methylene Chloride	4.799	84	155703	54.854	ug/l	97
21) trans-1,2-Dichloroethene	5.305	96	134169	52.426	ug/l	97
22) Diisopropyl ether	6.210	45	297284	55.369	ug/l	96
23) Vinyl Acetate	6.152	43	736913m	289.351	ug/l	
24) 1,1-Dichloroethane	6.110	63	212172	52.639	ug/l	98
25) 2-Butanone	7.081	43	151987	266.518	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	186213	51.910	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	152190	52.934	ug/l	99
28) Bromochloromethane	7.422	49	67209	46.680	ug/l	97
29) Tetrahydrofuran	7.446	42	89743	283.323	ug/l	92
30) Chloroform	7.593	83	237402	52.575	ug/l	95
31) Cyclohexane	7.875	56	150786	47.267	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	199703	50.957	ug/l	97
36) 1,1-Dichloropropene	8.004	75	166086	51.338	ug/l	98
37) Ethyl Acetate	7.169	43	63692	54.326	ug/l	96
38) Carbon Tetrachloride	7.987	117	166990	51.051	ug/l	98
39) Methylcyclohexane	9.275	83	186597	49.615	ug/l	92
40) Benzene	8.251	78	515507	53.063	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	34938	54.301	ug/l #	93
42) 1,2-Dichloroethane	8.322	62	128441	51.161	ug/l	98
43) Isopropyl Acetate	8.357	43	119434	53.872	ug/l	94
44) Trichloroethene	9.028	130	143903	51.980	ug/l	96
45) 1,2-Dichloropropane	9.304	63	124067	53.983	ug/l	94
46) Dibromomethane	9.393	93	75854	51.840	ug/l	97
47) Bromodichloromethane	9.581	83	181034	52.997	ug/l	98
48) Methyl methacrylate	9.381	41	54448	54.795	ug/l #	85
49) 1,4-Dioxane	9.387	88	16928	1079.912	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	322168	282.489	ug/l	92
52) Toluene	10.334	92	343201	54.818	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	171974	54.438	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	202703	53.952	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	104160	53.628	ug/l	95
56) Ethyl methacrylate	10.598	69	115131	56.205	ug/l	92
57) 1,3-Dichloropropane	10.881	76	164629	53.330	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	92593	241.624	ug/l	97
59) 2-Hexanone	10.922	43	232594	284.129	ug/l	92
60) Dibromochloromethane	11.075	129	130116	54.122	ug/l	95
61) 1,2-Dibromoethane	11.181	107	97991	52.703	ug/l	99
64) Tetrachloroethene	10.810	164	118458	51.215	ug/l	93
65) Chlorobenzene	11.610	112	365580	52.496	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	139278	53.516	ug/l	95
67) Ethyl Benzene	11.687	91	648645	54.273	ug/l	96
68) m/p-Xylenes	11.792	106	526061	109.949	ug/l	95
69) o-Xylene	12.122	106	240928	55.089	ug/l	93
70) Styrene	12.134	104	431305	56.770	ug/l	99
71) Bromoform	12.298	173	78742	54.338	ug/l #	100
73) Isopropylbenzene	12.422	105	611584	53.077	ug/l	96
74) N-amyl acetate	12.234	43	111469	54.928	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	115757	51.385	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	77841m	50.466	ug/l	
77) Bromobenzene	12.698	156	155465	53.508	ug/l	98
78) n-propylbenzene	12.763	91	753916	53.539	ug/l	97
79) 2-Chlorotoluene	12.851	91	410801	53.360	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	522131	54.275	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	33940	49.480	ug/l	95
82) 4-Chlorotoluene	12.945	91	434720	53.382	ug/l	97
83) tert-Butylbenzene	13.169	119	444981	53.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	532406	55.181	ug/l	96
85) sec-Butylbenzene	13.345	105	661346	52.660	ug/l	98
86) p-Isopropyltoluene	13.457	119	577852	53.961	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	317267	52.689	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	306495	52.469	ug/l	98
89) n-Butylbenzene	13.786	91	527242	53.607	ug/l	97
90) Hexachloroethane	14.051	117	108665	52.330	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	270469	52.705	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	16507	52.619	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	170785	54.115	ug/l	98
94) Hexachlorobutadiene	15.204	225	83922	50.717	ug/l	99
95) Naphthalene	15.333	128	324691	55.468	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	151959	53.750	ug/l	99

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

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