

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077034.D
 Acq On : 28 Aug 2023 10:30
 Operator : JC/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Aug 28 12:57:43 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	196320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	339645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	317529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	19896	10.293	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.580%#		
35) Dibromofluoromethane	7.810	113	23589	10.396	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.800%#		
50) Toluene-d8	10.269	98	78738	9.592	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.180%#		
62) 4-Bromofluorobenzene	12.569	95	21931	9.062	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.120%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	19578	10.422	ug/l	99
3) Chloromethane	2.146	50	40910	10.341	ug/l	99
4) Vinyl Chloride	2.281	62	42130	10.499	ug/l	95
5) Bromomethane	2.687	94	35018	10.203	ug/l	96
6) Chloroethane	2.828	64	30163	11.068	ug/l	97
7) Trichlorofluoromethane	3.169	101	37971	10.458	ug/l	96
8) Diethyl Ether	3.593	74	9537	9.595	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.969	101	21939	10.349	ug/l	94
10) Methyl Iodide	4.163	142	25127	9.297	ug/l #	82
11) Tert butyl alcohol	5.052	59	5749	49.572	ug/l #	79
12) 1,1-Dichloroethene	3.928	96	20334	9.668	ug/l #	84
13) Acrolein	3.799	56	9460	48.957	ug/l	93
14) Allyl chloride	4.558	41	23197	9.998	ug/l	90
15) Acrylonitrile	5.257	53	22744	51.706	ug/l	98
16) Acetone	4.022	43	24137	54.785	ug/l #	86
17) Carbon Disulfide	4.263	76	69627	10.848	ug/l	98
18) Methyl Acetate	4.569	43	16042	10.761	ug/l	91
19) Methyl tert-butyl Ether	5.316	73	45035	9.873	ug/l	93
20) Methylene Chloride	4.799	84	37234	10.388	ug/l	96
21) trans-1,2-Dichloroethene	5.310	96	24806	10.013	ug/l	93
22) Diisopropyl ether	6.216	45	51394	9.888	ug/l	90
23) Vinyl Acetate	6.152	43	127427	51.688	ug/l	99
24) 1,1-Dichloroethane	6.110	63	39563	10.140	ug/l	97
25) 2-Butanone	7.087	43	27854	50.457	ug/l #	81
26) 2,2-Dichloropropane	7.075	77	35108	10.110	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	26918	9.672	ug/l	95
28) Bromochloromethane	7.422	49	14457	10.373	ug/l	100
29) Tetrahydrofuran	7.446	42	14827	48.356	ug/l	92
30) Chloroform	7.593	83	45714	10.458	ug/l	89
31) Cyclohexane	7.875	56	32739	10.602	ug/l	86
32) 1,1,1-Trichloroethane	7.793	97	39298	10.359	ug/l	99
36) 1,1-Dichloropropene	8.004	75	31239	9.664	ug/l	99
37) Ethyl Acetate	7.175	43	11452	9.776	ug/l	95
38) Carbon Tetrachloride	7.987	117	33107	10.130	ug/l	92
39) Methylcyclohexane	9.275	83	35563	9.464	ug/l	90
40) Benzene	8.246	78	95532	9.842	ug/l	97

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	5836	9.078	ug/l #	92
42) 1,2-Dichloroethane	8.322	62	26061	10.390	ug/l	98
43) Isopropyl Acetate	8.363	43	21058	9.507	ug/l #	81
44) Trichloroethene	9.022	130	27381	9.899	ug/l	95
45) 1,2-Dichloropropane	9.304	63	22680	9.877	ug/l #	79
46) Dibromomethane	9.398	93	15096	10.326	ug/l	91
47) Bromodichloromethane	9.587	83	34153	10.007	ug/l #	88
48) Methyl methacrylate	9.381	41	9505	9.574	ug/l	82
49) 1,4-Dioxane	9.387	88	3072	196.146	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	54891	48.172	ug/l	89
52) Toluene	10.334	92	60161	9.618	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	29862	9.461	ug/l	98
54) cis-1,3-Dichloropropene	10.010	75	36746	9.789	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	18799	9.687	ug/l	90
56) Ethyl methacrylate	10.598	69	18455	9.017	ug/l #	87
57) 1,3-Dichloropropane	10.881	76	30410	9.860	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	30892	42.120	ug/l	97
59) 2-Hexanone	10.922	43	40244	49.203	ug/l	89
60) Dibromochloromethane	11.069	129	23609	9.829	ug/l	96
61) 1,2-Dibromoethane	11.181	107	19426	10.457	ug/l	100
64) Tetrachloroethene	10.810	164	22597	9.882	ug/l	95
65) Chlorobenzene	11.604	112	66578	9.670	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	25914	10.072	ug/l	94
67) Ethyl Benzene	11.681	91	111346	9.423	ug/l	95
68) m/p-Xylenes	11.792	106	88965	18.807	ug/l	96
69) o-Xylene	12.122	106	40590	9.388	ug/l	95
70) Styrene	12.134	104	67503	8.987	ug/l	98
71) Bromoform	12.298	173	13989	9.764	ug/l #	96
73) Isopropylbenzene	12.422	105	102581	9.553	ug/l	96
74) N-amyl acetate	12.234	43	18641	9.857	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	22370	10.656	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	16897m	11.755	ug/l	
77) Bromobenzene	12.704	156	26592	9.821	ug/l	95
78) n-propylbenzene	12.763	91	128034	9.757	ug/l	96
79) 2-Chlorotoluene	12.851	91	70358	9.807	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	82837	9.240	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	6104	9.549	ug/l	93
82) 4-Chlorotoluene	12.945	91	76158	10.035	ug/l	96
83) tert-Butylbenzene	13.169	119	72981	9.415	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	82223	9.145	ug/l	100
85) sec-Butylbenzene	13.345	105	112778	9.636	ug/l	98
86) p-Isopropyltoluene	13.457	119	93052	9.324	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	55667	9.920	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	54856	10.077	ug/l	94
89) n-Butylbenzene	13.786	91	86575	9.446	ug/l	97
90) Hexachloroethane	14.051	117	19485	10.069	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	48915	10.228	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3324	11.370	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	27075	9.206	ug/l	96
94) Hexachlorobutadiene	15.204	225	15662	10.157	ug/l	97
95) Naphthalene	15.333	128	49184	9.016	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.516	180	25165	9.552	ug/l	99

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

