

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077052.D
 Acq On : 28 Aug 2023 20:17
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Aug 29 02:52:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 02:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	177611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	307424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	298893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	152817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	92776	53.054	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.100%			
35) Dibromofluoromethane	7.805	113	106113	51.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.340%			
50) Toluene-d8	10.269	98	399958	53.829	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.660%			
62) 4-Bromofluorobenzene	12.569	95	118349	54.025	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	71842	42.273	ug/l	98
3) Chloromethane	2.146	50	131532	45.270	ug/l	99
4) Vinyl Chloride	2.276	62	157390	43.353	ug/l	98
5) Bromomethane	2.681	94	129542	41.721	ug/l	100
6) Chloroethane	2.828	64	113472	46.023	ug/l	96
7) Trichlorofluoromethane	3.164	101	138589	42.192	ug/l	98
8) Diethyl Ether	3.593	74	44539	49.529	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	86301	44.997	ug/l	99
10) Methyl Iodide	4.158	142	125376	51.276	ug/l	91
11) Tert butyl alcohol	5.052	59	22206	211.646	ug/l	97
12) 1,1-Dichloroethene	3.934	96	83881	44.085	ug/l	96
13) Acrolein	3.793	56	54165	247.957	ug/l	98
14) Allyl chloride	4.558	41	95225	45.366	ug/l	93
15) Acrylonitrile	5.252	53	96306	242.003	ug/l	99
16) Acetone	4.017	43	65327	163.896	ug/l	87
17) Carbon Disulfide	4.264	76	248227	42.748	ug/l	98
18) Methyl Acetate	4.558	43	69052	51.201	ug/l	94
19) Methyl tert-butyl Ether	5.317	73	199447	48.331	ug/l	100
20) Methylene Chloride	4.793	84	123996	49.499	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	102689	45.817	ug/l	97
22) Diisopropyl ether	6.211	45	235797	50.147	ug/l	97
23) Vinyl Acetate	6.152	43	564551	239.686	ug/l	96
24) 1,1-Dichloroethane	6.111	63	167537	47.461	ug/l	98
25) 2-Butanone	7.081	43	107160	214.567	ug/l	91
26) 2,2-Dichloropropane	7.075	77	123941	39.452	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	116758	46.371	ug/l	99
28) Bromochloromethane	7.422	49	60265	47.795	ug/l	94
29) Tetrahydrofuran	7.440	42	70707	254.891	ug/l	95
30) Chloroform	7.593	83	191519	48.431	ug/l	96
31) Cyclohexane	7.875	56	112895	40.410	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	160358	46.722	ug/l	96
36) 1,1-Dichloropropene	8.005	75	129656	44.316	ug/l	99
37) Ethyl Acetate	7.169	43	49715	47.114	ug/l #	90
38) Carbon Tetrachloride	7.987	117	126296	42.694	ug/l	99
39) Methylcyclohexane	9.275	83	147883	43.480	ug/l	98
40) Benzene	8.252	78	405405	46.143	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	32175	55.295	ug/l	89
42) 1,2-Dichloroethane	8.322	62	107845	47.500	ug/l	97
43) Isopropyl Acetate	8.358	43	93691	46.730	ug/l #	80
44) Trichloroethene	9.028	130	110027	43.947	ug/l	93
45) 1,2-Dichloropropane	9.305	63	99569	47.906	ug/l	98
46) Dibromomethane	9.393	93	63878	48.272	ug/l	92
47) Bromodichloromethane	9.581	83	145624	47.140	ug/l	99
48) Methyl methacrylate	9.381	41	41173	45.818	ug/l #	87
49) 1,4-Dioxane	9.387	88	13313	939.119	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	253180	245.477	ug/l	94
52) Toluene	10.334	92	266370	47.046	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	131095	45.886	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	155342	45.719	ug/l	95
55) 1,1,2-Trichloroethane	10.728	97	83826	47.723	ug/l	96
56) Ethyl methacrylate	10.599	69	90544	48.877	ug/l #	92
57) 1,3-Dichloropropane	10.881	76	133955	47.983	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	87899	254.532	ug/l	100
59) 2-Hexanone	10.922	43	172458	232.950	ug/l	92
60) Dibromochloromethane	11.075	129	102986	47.367	ug/l	95
61) 1,2-Dibromoethane	11.181	107	80918	48.124	ug/l	100
64) Tetrachloroethene	10.810	164	95791	44.502	ug/l	96
65) Chlorobenzene	11.604	112	295390	45.579	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	109148	45.065	ug/l	98
67) Ethyl Benzene	11.681	91	508716	45.738	ug/l	97
68) m/p-Xylenes	11.793	106	410495	92.191	ug/l	93
69) o-Xylene	12.122	106	188690	46.361	ug/l	92
70) Styrene	12.134	104	339575	48.028	ug/l	98
71) Bromoform	12.299	173	64456	47.795	ug/l #	97
73) Isopropylbenzene	12.422	105	479293	44.944	ug/l	97
74) N-amyl acetate	12.234	43	86811	46.220	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	94838	45.487	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	59297m	40.230	ug/l	
77) Bromobenzene	12.698	156	124764	46.397	ug/l	99
78) n-propylbenzene	12.763	91	586802	45.025	ug/l	98
79) 2-Chlorotoluene	12.846	91	325625	45.700	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	403825	45.356	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	26540	41.806	ug/l	97
82) 4-Chlorotoluene	12.946	91	337471	44.775	ug/l	98
83) tert-Butylbenzene	13.169	119	354033	45.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	418470	46.863	ug/l	97
85) sec-Butylbenzene	13.346	105	520919	44.817	ug/l	96
86) p-Isopropyltoluene	13.457	119	443982	44.796	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	251463	45.122	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	245264	45.366	ug/l	99
89) n-Butylbenzene	13.787	91	397079	43.622	ug/l	97
90) Hexachloroethane	14.051	117	87577	45.569	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	216259	45.533	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13459	46.356	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	129477	44.328	ug/l	96
94) Hexachlorobutadiene	15.204	225	65131	42.529	ug/l	99
95) Naphthalene	15.334	128	253297	46.754	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	115400	44.104	ug/l	100

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

