

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077038.D
 Acq On : 28 Aug 2023 12:29
 Operator : JC/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 28 13:12:12 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	214313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	346510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	331361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	168249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	317251	150.353	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 300.700%#			
35) Dibromofluoromethane	7.804	113	362937	156.782	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 313.560%#			
50) Toluene-d8	10.269	98	1397467	166.867	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 333.740%#			
62) 4-Bromofluorobenzene	12.575	95	423425	171.486	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 342.980%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	304483	148.479	ug/l	95
3) Chloromethane	2.146	50	512607	153.650	ug/l	100
4) Vinyl Chloride	2.281	62	621168	141.798	ug/l	100
5) Bromomethane	2.663	94	543205	144.988	ug/l	99
6) Chloroethane	2.822	64	431468	145.030	ug/l	98
7) Trichlorofluoromethane	3.163	101	582093	146.863	ug/l	98
8) Diethyl Ether	3.587	74	174591	160.903	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	362059	156.446	ug/l	99
10) Methyl Iodide	4.158	142	504032	170.836	ug/l	92
11) Tert butyl alcohol	5.057	59	96811	764.690	ug/l	99
12) 1,1-Dichloroethene	3.934	96	354970	154.612	ug/l	90
13) Acrolein	3.793	56	226051	752.819	ug/l	100
14) Allyl chloride	4.552	41	395033	155.967	ug/l	93
15) Acrylonitrile	5.252	53	371698	774.067	ug/l	99
16) Acetone	4.016	43	324143	673.958	ug/l	87
17) Carbon Disulfide	4.263	76	983640	140.385	ug/l	99
18) Methyl Acetate	4.558	43	248491	152.698	ug/l	97
19) Methyl tert-butyl Ether	5.310	73	801467	160.956	ug/l	99
20) Methylene Chloride	4.793	84	436205	152.359	ug/l	93
21) trans-1,2-Dichloroethene	5.305	96	408155	150.922	ug/l	98
22) Diisopropyl ether	6.216	45	887499	156.421	ug/l	98
23) Vinyl Acetate	6.152	43	2287720	850.049	ug/l	97
24) 1,1-Dichloroethane	6.104	63	628309	147.511	ug/l	99
25) 2-Butanone	7.081	43	453951	753.289	ug/l	92
26) 2,2-Dichloropropane	7.075	77	586294	154.663	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	472191	155.417	ug/l	100
28) Bromochloromethane	7.422	49	208269	136.887	ug/l	96
29) Tetrahydrofuran	7.440	42	263400	786.918	ug/l	96
30) Chloroform	7.593	83	698728	146.433	ug/l	97
31) Cyclohexane	7.875	56	486882	144.429	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	626192	151.201	ug/l	97
36) 1,1-Dichloropropene	8.004	75	528052	160.127	ug/l	98
37) Ethyl Acetate	7.163	43	189817	158.832	ug/l	95
38) Carbon Tetrachloride	7.987	117	542643	162.748	ug/l	100
39) Methylcyclohexane	9.269	83	662348	172.775	ug/l	98
40) Benzene	8.251	78	1563649	157.900	ug/l	100

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41) Methacrylonitrile	7.399	41	113539	173.116	ug/l	# 90
42) 1,2-Dichloroethane	8.322	62	387073	151.255	ug/l	97
43) Isopropyl Acetate	8.357	43	364133	161.132	ug/l	93
44) Trichloroethene	9.028	130	440237	156.005	ug/l	96
45) 1,2-Dichloropropane	9.304	63	367922	157.051	ug/l	96
46) Dibromomethane	9.393	93	225750	151.355	ug/l	97
47) Bromodichloromethane	9.581	83	537360	154.327	ug/l	99
48) Methyl methacrylate	9.381	41	173313	171.110	ug/l	87
49) 1,4-Dioxane	9.387	88	49960	3126.721	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	961102	826.747	ug/l	95
52) Toluene	10.334	92	1045318	163.798	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	531414	165.027	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	617350	161.198	ug/l	# 90
55) 1,1,2-Trichloroethane	10.734	97	307868	155.503	ug/l	96
56) Ethyl methacrylate	10.598	69	361347	173.059	ug/l	# 92
57) 1,3-Dichloropropane	10.881	76	494172	157.046	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	338789	753.885	ug/l	98
59) 2-Hexanone	10.922	43	695049	832.947	ug/l	93
60) Dibromochloromethane	11.075	129	386785	157.831	ug/l	96
61) 1,2-Dibromoethane	11.181	107	297799	157.130	ug/l	99
64) Tetrachloroethene	10.810	164	368464	154.406	ug/l	95
65) Chlorobenzene	11.604	112	1125155	156.601	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	429644	160.011	ug/l	96
67) Ethyl Benzene	11.687	91	2080325	168.714	ug/l	99
68) m/p-Xylenes	11.792	106	1650606	334.377	ug/l	94
69) o-Xylene	12.122	106	776490	172.088	ug/l	95
70) Styrene	12.134	104	1332908	170.049	ug/l	98
71) Bromoform	12.298	173	233551	156.212	ug/l	# 99
73) Isopropylbenzene	12.422	105	1990812	169.557	ug/l	97
74) N-amyl acetate	12.234	43	340608	164.715	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	339092	147.721	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	229753m	146.180	ug/l	
77) Bromobenzene	12.698	156	474045	160.118	ug/l	97
78) n-propylbenzene	12.763	91	2379196	165.812	ug/l	98
79) 2-Chlorotoluene	12.851	91	1252712	159.687	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	1645902	167.904	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	111114	158.974	ug/l	99
82) 4-Chlorotoluene	12.945	91	1334727	160.847	ug/l	97
83) tert-Butylbenzene	13.169	119	1455907	171.779	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	1669743	169.838	ug/l	97
85) sec-Butylbenzene	13.345	105	2150879	168.077	ug/l	97
86) p-Isopropyltoluene	13.463	119	1911444	175.169	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	987539	160.949	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	929688	156.191	ug/l	99
89) n-Butylbenzene	13.786	91	1682398	167.872	ug/l	99
90) Hexachloroethane	14.051	117	333722	157.720	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	816412	156.127	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	49031	153.384	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	538559	167.472	ug/l	98
94) Hexachlorobutadiene	15.204	225	274546	162.828	ug/l	100
95) Naphthalene	15.333	128	1048858	175.844	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	474145	164.589	ug/l	99

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

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