

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077037.D
 Acq On : 28 Aug 2023 12:01
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 28 13:10:21 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	223679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	361381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	347345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	174193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	213317	96.863	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.720%#			
35) Dibromofluoromethane	7.805	113	247203	102.393	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 204.780%#			
50) Toluene-d8	10.269	98	951468	108.936	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 217.880%#			
62) 4-Bromofluorobenzene	12.575	95	282856	109.842	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 219.680%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	198788	92.879	ug/l	94
3) Chloromethane	2.146	50	325327	92.123	ug/l	98
4) Vinyl Chloride	2.281	62	408539	89.355	ug/l	97
5) Bromomethane	2.676	94	352954	90.263	ug/l	99
6) Chloroethane	2.828	64	281911	90.792	ug/l	100
7) Trichlorofluoromethane	3.170	101	379968	91.852	ug/l	98
8) Diethyl Ether	3.587	74	112268	99.134	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	232262	96.158	ug/l	98
10) Methyl Iodide	4.152	142	312400	101.451	ug/l	92
11) Tert butyl alcohol	5.064	59	60626	458.821	ug/l	97
12) 1,1-Dichloroethene	3.934	96	226509	94.528	ug/l	91
13) Acrolein	3.793	56	144422	489.212	ug/l	99
14) Allyl chloride	4.558	41	256555	97.052	ug/l	93
15) Acrylonitrile	5.252	53	241811	482.490	ug/l	98
16) Acetone	4.022	43	215576	429.457	ug/l	88
17) Carbon Disulfide	4.264	76	653019	89.296	ug/l	96
18) Methyl Acetate	4.558	43	159995	94.200	ug/l	98
19) Methyl tert-butyl Ether	5.311	73	511670	98.454	ug/l	94
20) Methylene Chloride	4.793	84	286495	94.320	ug/l	95
21) trans-1,2-Dichloroethene	5.305	96	263048	93.194	ug/l	98
22) Diisopropyl ether	6.216	45	587050	99.135	ug/l	97
23) Vinyl Acetate	6.152	43	1477211	525.905	ug/l	97
24) 1,1-Dichloroethane	6.105	63	412057	92.690	ug/l	99
25) 2-Butanone	7.075	43	290711	462.208	ug/l	96
26) 2,2-Dichloropropane	7.069	77	377052	95.300	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	305932	96.478	ug/l	99
28) Bromochloromethane	7.422	49	135872	85.564	ug/l	96
29) Tetrahydrofuran	7.446	42	169587	485.433	ug/l	96
30) Chloroform	7.593	83	460551	92.477	ug/l	99
31) Cyclohexane	7.875	56	323384	91.912	ug/l	99
32) 1,1,1-Trichloroethane	7.787	97	404021	93.471	ug/l	98
36) 1,1-Dichloropropene	8.005	75	337542	98.144	ug/l	98
37) Ethyl Acetate	7.164	43	121633	97.590	ug/l	96
38) Carbon Tetrachloride	7.987	117	347879	100.041	ug/l	99
39) Methylcyclohexane	9.269	83	419972	105.043	ug/l	97
40) Benzene	8.252	78	1021134	98.872	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	72627	106.179	ug/l	91
42) 1,2-Dichloroethane	8.322	62	253368	94.933	ug/l	97
43) Isopropyl Acetate	8.358	43	240370	101.989	ug/l	94
44) Trichloroethene	9.028	130	284182	96.561	ug/l	98
45) 1,2-Dichloropropane	9.305	63	239469	98.013	ug/l	99
46) Dibromomethane	9.393	93	148120	95.221	ug/l	95
47) Bromodichloromethane	9.581	83	353009	97.210	ug/l	98
48) Methyl methacrylate	9.381	41	110652	104.750	ug/l	85
49) 1,4-Dioxane	9.387	88	32947	1977.120	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	615998	508.081	ug/l	94
52) Toluene	10.334	92	677057	101.727	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	345013	102.732	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	400682	100.318	ug/l #	94
55) 1,1,2-Trichloroethane	10.734	97	198060	95.923	ug/l	94
56) Ethyl methacrylate	10.599	69	229927	105.587	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	326866	99.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	206017	489.093	ug/l	99
59) 2-Hexanone	10.922	43	446764	513.370	ug/l	93
60) Dibromochloromethane	11.075	129	252820	98.920	ug/l	97
61) 1,2-Dibromoethane	11.181	107	190091	96.172	ug/l	98
64) Tetrachloroethene	10.810	164	242005	96.746	ug/l	97
65) Chlorobenzene	11.604	112	729292	96.833	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	272228	96.720	ug/l	97
67) Ethyl Benzene	11.681	91	1324223	102.452	ug/l	96
68) m/p-Xylenes	11.793	106	1060967	205.039	ug/l	95
69) o-Xylene	12.122	106	489749	103.545	ug/l	93
70) Styrene	12.134	104	858400	104.473	ug/l	98
71) Bromoform	12.299	173	150049	95.743	ug/l #	99
73) Isopropylbenzene	12.422	105	1272186	104.655	ug/l	97
74) N-amyl acetate	12.234	43	216931	101.326	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	221600	93.243	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	172311m	105.891	ug/l	
77) Bromobenzene	12.698	156	303463	99.003	ug/l	97
78) n-propylbenzene	12.763	91	1527686	102.835	ug/l	98
79) 2-Chlorotoluene	12.851	91	814303	100.260	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	1053563	103.810	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	70583	97.539	ug/l	99
82) 4-Chlorotoluene	12.946	91	861913	100.324	ug/l	97
83) tert-Butylbenzene	13.169	119	929084	105.880	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	1071030	105.223	ug/l	97
85) sec-Butylbenzene	13.346	105	1389321	104.861	ug/l	97
86) p-Isopropyltoluene	13.463	119	1213816	107.441	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	629288	99.062	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	607237	98.537	ug/l	99
89) n-Butylbenzene	13.787	91	1085617	104.628	ug/l	100
90) Hexachloroethane	14.051	117	215809	98.513	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	530044	97.905	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	32128	97.077	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	350176	105.176	ug/l	99
94) Hexachlorobutadiene	15.204	225	179954	103.085	ug/l	98
95) Naphthalene	15.334	128	667471	108.085	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	305507	102.431	ug/l	99

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

