

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101723\
 Data File : VD077345.D
 Acq On : 17 Oct 2023 17:22
 Operator : JC/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 18 02:46:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 02:44:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/20/2023
 Supervised By : Mahesh Dadoda 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	233394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	352509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	336640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	178937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	270485	129.787	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 259.580%#			
35) Dibromofluoromethane	7.804	113	352776	142.448	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 284.900%#			
50) Toluene-d8	10.269	98	1344142	151.551	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 303.100%#			
62) 4-Bromofluorobenzene	12.575	95	397038	155.513	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 311.020%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	296171	136.495	ug/l	96
3) Chloromethane	2.152	50	598710	135.498	ug/l	99
4) Vinyl Chloride	2.287	62	718390	137.638	ug/l	100
5) Bromomethane	2.681	94	492886	146.950	ug/l	100
6) Chloroethane	2.834	64	491549	133.967	ug/l	100
7) Trichlorofluoromethane	3.175	101	715662	135.164	ug/l	97
8) Diethyl Ether	3.593	74	254150	179.090	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.969	101	459106	167.600	ug/l	98
10) Methyl Iodide	4.163	142	628162	187.409	ug/l	93
11) Tert butyl alcohol	5.058	59	75083	640.441	ug/l	98
12) 1,1-Dichloroethene	3.940	96	479572	178.460	ug/l	89
13) Acrolein	3.799	56	188205	924.789	ug/l	99
14) Allyl chloride	4.563	41	517408	202.926	ug/l	95
15) Acrylonitrile	5.258	53	312250	726.076	ug/l	99
16) Acetone	4.022	43	433485	948.522	ug/l	94
17) Carbon Disulfide	4.269	76	1500837	189.986	ug/l	97
18) Methyl Acetate	4.558	43	305123	191.835	ug/l	97
19) Methyl tert-butyl Ether	5.322	73	717671	156.794	ug/l	97
20) Methylene Chloride	4.799	84	383667	148.066	ug/l	98
21) trans-1,2-Dichloroethene	5.316	96	407662	145.854	ug/l	93
22) Diisopropyl ether	6.216	45	764586	152.758	ug/l	96
23) Vinyl Acetate	6.157	43	1889064	805.361	ug/l	98
24) 1,1-Dichloroethane	6.110	63	581429	139.716	ug/l	99
25) 2-Butanone	7.081	43	346682	731.285	ug/l	97
26) 2,2-Dichloropropane	7.081	77	545549	143.774	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	470111	150.007	ug/l	94
28) Bromochloromethane	7.428	49	206511	135.848	ug/l	90
29) Tetrahydrofuran	7.446	42	206260	754.235	ug/l	96
30) Chloroform	7.599	83	663120	138.882	ug/l	100
31) Cyclohexane	7.875	56	449431	138.606	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	589927	143.214	ug/l	95
36) 1,1-Dichloropropene	8.010	75	499968	153.642	ug/l	98
37) Ethyl Acetate	7.169	43	153687	150.353	ug/l	98
38) Carbon Tetrachloride	7.993	117	548422	151.498	ug/l	99
39) Methylcyclohexane	9.275	83	635763	160.789	ug/l	94
40) Benzene	8.252	78	1503362	152.236	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	79568	163.106	ug/l #	88
42) 1,2-Dichloroethane	8.328	62	338854	145.678	ug/l	99
43) Isopropyl Acetate	8.363	43	292235	158.808	ug/l	98
44) Trichloroethene	9.028	130	446420	154.620	ug/l	100
45) 1,2-Dichloropropane	9.304	63	339717	149.235	ug/l	97
46) Dibromomethane	9.393	93	211828	148.844	ug/l	96
47) Bromodichloromethane	9.587	83	498992	147.043	ug/l	98
48) Methyl methacrylate	9.381	41	137720	165.436	ug/l	95
49) 1,4-Dioxane	9.381	88	42386	2956.945	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	747035	809.842	ug/l	99
52) Toluene	10.334	92	1026108	159.143	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	484586	159.085	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	577080	154.839	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	289088	146.661	ug/l	96
56) Ethyl methacrylate	10.598	69	316341	167.928	ug/l	98
57) 1,3-Dichloropropane	10.881	76	458516	151.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	763319	819.382	ug/l	94
59) 2-Hexanone	10.922	43	531270	801.898	ug/l	100
60) Dibromochloromethane	11.075	129	378572	150.412	ug/l	97
61) 1,2-Dibromoethane	11.181	107	283230	152.487	ug/l	100
64) Tetrachloroethene	10.810	164	388028	155.078	ug/l	97
65) Chlorobenzene	11.610	112	1120285	152.673	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	437775	156.948	ug/l	96
67) Ethyl Benzene	11.687	91	2003042	164.674	ug/l	99
68) m/p-Xylenes	11.792	106	1663155	332.972	ug/l	99
69) o-Xylene	12.122	106	768883	167.217	ug/l	98
70) Styrene	12.140	104	1313567	167.440	ug/l	99
71) Bromoform	12.298	173	235803	154.216	ug/l #	100
73) Isopropylbenzene	12.422	105	1941895	164.070	ug/l	98
74) N-amyl acetate	12.234	43	273868	160.846	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	305860	142.211	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	250372m	120.053	ug/l	
77) Bromobenzene	12.704	156	489509	157.537	ug/l	94
78) n-propylbenzene	12.763	91	2255976	158.269	ug/l	100
79) 2-Chlorotoluene	12.851	91	1218306	156.920	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	1605093	164.338	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	105753	158.363	ug/l	93
82) 4-Chlorotoluene	12.951	91	1259736	155.849	ug/l	99
83) tert-Butylbenzene	13.169	119	1422739	164.302	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	1653433	168.140	ug/l	99
85) sec-Butylbenzene	13.345	105	2088345	160.266	ug/l	99
86) p-Isopropyltoluene	13.463	119	1917531	169.390	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	1033445	158.038	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	970400	149.751	ug/l	99
89) n-Butylbenzene	13.787	91	1599113	162.229	ug/l	99
90) Hexachloroethane	14.057	117	341218	149.118	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	843906	152.773	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	40060	152.176	ug/l	73
93) 1,2,4-Trichlorobenzene	15.104	180	572407	166.314	ug/l	97
94) Hexachlorobutadiene	15.204	225	305237	156.159	ug/l	100
95) Naphthalene	15.333	128	995292	171.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	490251	164.110	ug/l	99

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

