

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122623\
 Data File : VD078081.D
 Acq On : 26 Dec 2023 13:50
 Operator : RP/MD
 Sample : VSTDICC150
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 27 02:10:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 02:01:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024
 Supervised By :Mahesh Dadoda 01/01/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	185685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	296473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	274234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	148567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	234018	141.643	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 283.280%#			
35) Dibromofluoromethane	7.810	113	276427	144.908	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.820%#			
50) Toluene-d8	10.269	98	1048817	156.254	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.500%#			
62) 4-Bromofluorobenzene	12.575	95	328514	152.110	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 304.220%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	213500	134.159	ug/l	99
3) Chloromethane	2.152	50	298525	136.022	ug/l	100
4) Vinyl Chloride	2.287	62	468323	141.570	ug/l	99
5) Bromomethane	2.687	94	397597	149.903	ug/l	99
6) Chloroethane	2.840	64	350995	144.388	ug/l	99
7) Trichlorofluoromethane	3.181	101	445360	139.873	ug/l	100
8) Diethyl Ether	3.599	74	129589	148.422	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.969	101	274853	138.593	ug/l	98
10) Methyl Iodide	4.169	142	324811	174.294	ug/l	93
11) Tert butyl alcohol	5.052	59	63111	757.122	ug/l #	93
12) 1,1-Dichloroethene	3.946	96	259700	147.998	ug/l	90
13) Acrolein	3.799	56	49586	569.846	ug/l	94
14) Allyl chloride	4.563	41	312234	147.210	ug/l	92
15) Acrylonitrile	5.258	53	270135	739.633	ug/l	98
16) Acetone	4.022	43	239997	772.219	ug/l	89
17) Carbon Disulfide	4.275	76	663726	153.081	ug/l	98
18) Methyl Acetate	4.558	43	218930	161.682	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	617840	159.085	ug/l	97
20) Methylene Chloride	4.805	84	296966	153.248	ug/l	94
21) trans-1,2-Dichloroethene	5.316	96	307011	152.203	ug/l	92
22) Diisopropyl ether	6.222	45	709825	149.829	ug/l	99
23) Vinyl Acetate	6.157	43	1376734m	624.503	ug/l	
24) 1,1-Dichloroethane	6.122	63	499805	142.557	ug/l	97
25) 2-Butanone	7.081	43	327874	775.810	ug/l	97
26) 2,2-Dichloropropane	7.081	77	458210	145.470	ug/l	96
27) cis-1,2-Dichloroethene	7.087	96	358485	149.803	ug/l	95
28) Bromochloromethane	7.428	49	181410	144.627	ug/l	98
29) Tetrahydrofuran	7.446	42	188740	737.954	ug/l	96
30) Chloroform	7.599	83	553349	145.639	ug/l	96
31) Cyclohexane	7.881	56	373590	141.745	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	489729	149.977	ug/l	98
36) 1,1-Dichloropropene	8.010	75	404798	150.816	ug/l	99
37) Ethyl Acetate	7.169	43	132483	148.408	ug/l	96
38) Carbon Tetrachloride	7.993	117	444129	152.703	ug/l	96
39) Methylcyclohexane	9.275	83	487104	158.293	ug/l	96
40) Benzene	8.251	78	1195557	154.544	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	85457	151.156	ug/l #	89
42) 1,2-Dichloroethane	8.328	62	309515	148.049	ug/l	97
43) Isopropyl Acetate	8.363	43	269660	150.883	ug/l	95
44) Trichloroethene	9.028	130	341088	153.254	ug/l	96
45) 1,2-Dichloropropane	9.304	63	291357	148.630	ug/l	100
46) Dibromomethane	9.393	93	170653	155.434	ug/l	98
47) Bromodichloromethane	9.587	83	424505	148.849	ug/l	99
48) Methyl methacrylate	9.381	41	157876	156.743	ug/l	85
49) 1,4-Dioxane	9.387	88	31576	3042.292	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	702999	766.585	ug/l	96
52) Toluene	10.334	92	806307	160.698	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	412187	159.298	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	479767	154.398	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	237877	153.964	ug/l	95
56) Ethyl methacrylate	10.598	69	200660	163.657	ug/l	96
57) 1,3-Dichloropropane	10.881	76	389032	153.254	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	320051	602.910	ug/l	100
59) 2-Hexanone	10.922	43	517847	726.972	ug/l	94
60) Dibromochloromethane	11.075	129	312376	158.707	ug/l	96
61) 1,2-Dibromoethane	11.181	107	227434	153.542	ug/l	100
64) Tetrachloroethene	10.810	164	285908	154.291	ug/l	94
65) Chlorobenzene	11.604	112	888572	152.518	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	358695	162.667	ug/l	97
67) Ethyl Benzene	11.681	91	1642208	161.685	ug/l	99
68) m/p-Xylenes	11.792	106	1311924	331.890	ug/l	95
69) o-Xylene	12.122	106	609357	165.399	ug/l	96
70) Styrene	12.134	104	917462	168.667	ug/l	97
71) Bromoform	12.298	173	188466	154.918	ug/l #	99
73) Isopropylbenzene	12.422	105	1610552	157.393	ug/l	97
74) N-amyl acetate	12.234	43	248901	146.523	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	265444	142.732	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	178488m	148.716	ug/l	
77) Bromobenzene	12.698	156	385793	154.980	ug/l	98
78) n-propylbenzene	12.763	91	1870411	151.855	ug/l	98
79) 2-Chlorotoluene	12.851	91	1004409	150.764	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	1310188	154.804	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	85513	147.008	ug/l	99
82) 4-Chlorotoluene	12.945	91	1065203	149.131	ug/l	97
83) tert-Butylbenzene	13.163	119	1192247	157.257	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	1368327	158.725	ug/l	100
85) sec-Butylbenzene	13.345	105	1670496	154.331	ug/l	98
86) p-Isopropyltoluene	13.457	119	1600855	165.263	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	833135	161.761	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	759293	150.315	ug/l	99
89) n-Butylbenzene	13.786	91	1370423	154.131	ug/l	100
90) Hexachloroethane	14.051	117	291613	150.584	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	667846	150.987	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	37725	144.835	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	454271	157.305	ug/l	99
94) Hexachlorobutadiene	15.204	225	256700	158.214	ug/l	99
95) Naphthalene	15.328	128	811356	165.034	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	390998	159.569	ug/l	99

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

