

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030122\
 Data File : VW024844.D
 Acq On : 01 Mar 2022 13:22
 Operator : SY/MD
 Sample : N1331-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2022-02

Quant Time: Mar 02 02:42:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 02 01:20:37 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	247572	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	241637	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	111031	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	121675	48.335	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.660%		
7) Chloroethane-d5	1.568	69	102037	51.664	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.320%		
11) 1,1-Dichloroethene-d2	2.108	63	166292	39.357	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.720%		
21) 2-Butanone-d5	3.889	46	165851	115.768	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	115.770%		
24) Chloroform-d	4.349	84	229479	52.221	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.440%		
26) 1,2-Dichloroethane-d4	5.031	65	141856	54.712	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	109.420%		
32) Benzene-d6	5.050	84	483205	53.951	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.900%		
36) 1,2-Dichloropropane-d6	6.069	67	154651	55.421	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	110.840%		
41) Toluene-d8	7.314	98	418668	52.765	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.520%		
43) trans-1,3-Dichloroprop...	7.619	79	62285	51.369	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	102.740%		
47) 2-Hexanone-d5	8.088	63	117339	110.782	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.780%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	187067	56.520	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	113.040%		
66) 1,2-Dichlorobenzene-d4	11.622	152	145288	56.806	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	113.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	4868	2.083	ug/L	99
3) Chloromethane	1.243	50	6208	2.567	ug/L	99
5) Vinyl chloride	1.314	62	5396	2.175	ug/L #	59
6) Bromomethane	1.526	94	3973	2.681	ug/L	98
8) Chloroethane	1.587	64	3459	2.379	ug/L	92
9) Trichlorofluoromethane	1.754	101	6641	2.093	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	5091	2.706	ug/L #	80
12) 1,1-Dichloroethene	2.118	96	4767	2.601	ug/L #	1
13) Acetone	2.192	43	4113	3.760	ug/L	96
14) Carbon disulfide	2.298	76	11625	2.077	ug/L	97
15) Methyl Acetate	2.446	43	4352	2.316	ug/L	94
16) Methylene chloride	2.510	84	4865	2.267	ug/L	96
17) trans-1,2-Dichloroethene	2.767	96	4266	2.153	ug/L	98
18) Methyl tert-butyl Ether	2.770	73	13139	2.174	ug/L	97
19) 1,1-Dichloroethane	3.195	63	7626	2.134	ug/L	96
20) cis-1,2-Dichloroethene	3.915	96	4599	2.144	ug/L	100
22) 2-Butanone	4.015	43	6550m	5.222	ug/L	
23) Bromochloromethane	4.259	128	2246	2.093	ug/L	96
25) Chloroform	4.378	83	10194	2.746	ug/L	96

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27) 1,2-Dichloroethane	5.146	62	5598	2.161	ug/L	96
29) Cyclohexane	4.677	56	6586	2.084	ug/L	95
30) 1,1,1-Trichloroethane	4.613	97	6626	2.082	ug/L	99
31) Carbon tetrachloride	4.831	117	5103	1.886	ug/L	91
33) Benzene	5.105	78	16868	2.068	ug/L	100
34) Trichloroethene	5.918	95	4797	2.146	ug/L	97
35) Methylcyclohexane	6.130	83	6672	1.967	ug/L	98
37) 1,2-Dichloropropane	6.179	63	4516	2.207	ug/L #	94
38) Bromodichloromethane	6.513	83	5304	1.978	ug/L	97
39) cis-1,3-Dichloropropene	7.034	75	6308	2.048	ug/L	100
40) 4-Methyl-2-pentanone	7.233	43	9409	3.857	ug/L	96
42) Toluene	7.394	91	23343	2.743	ug/L	99
44) trans-1,3-Dichloropropene	7.658	75	5961	2.107	ug/L	98
45) 1,1,2-Trichloroethane	7.844	97	4229	2.127	ug/L	93
46) Tetrachloroethene	7.979	164	2878	1.993	ug/L	88
48) 2-Hexanone	8.146	43	19851	10.338	ug/L #	90
49) Dibromochloromethane	8.246	129	3711	1.931	ug/L	96
50) 1,2-Dibromoethane	8.359	107	4150	2.024	ug/L #	94
51) Chlorobenzene	8.883	112	11130	2.073	ug/L	96
52) Ethylbenzene	9.014	91	17559	1.956	ug/L	95
53) m,p-Xylene	9.143	106	6739	1.954	ug/L	99
54) o-Xylene	9.545	106	6476	1.943	ug/L	90
55) Styrene	9.567	104	9990	1.767	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	6793	2.443	ug/L #	95
59) Bromoform	9.735	173	1981	1.959	ug/L #	90
60) Isopropylbenzene	9.931	105	16491	2.045	ug/L	96
61) 1,2,3-Trichloropropane	10.272	75	5113	2.301	ug/L	96
62) 1,3,5-Trimethylbenzene	10.539	105	10914	2.006	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	13662	2.049	ug/L	98
64) 1,3-Dichlorobenzene	11.185	146	7476	2.113	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	8316	2.296	ug/L	98
67) 1,2-Dichlorobenzene	11.638	146	8187	2.299	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.429	75	1045	2.060	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.648	180	4925	2.062	ug/L	97
70) 1,2,4-trichlorobenzene	13.262	180	3852	1.851	ug/L	95
71) Naphthalene	13.503	128	13321	1.976	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	4298	2.094	ug/L	97

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

