

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041123\
 Data File : VX035001.D
 Acq On : 11 Apr 2023 11:02
 Operator : JC/MD
 Sample : 02215-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Apr 12 02:03:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 01:54:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/12/2023
 Supervised By : Semsettin Yesilyurt 04/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	459875	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	397815	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	185327	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	148196	48.382	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.760%
7) Chloroethane-d5	1.673	69	114839	51.187	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.380%
11) 1,1-Dichloroethene-d2	2.307	63	232097	37.381	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.760%
21) 2-Butanone-d5	4.465	46	227891	111.942	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.940%
24) Chloroform-d	5.056	84	292509	50.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.220%
26) 1,2-Dichloroethane-d4	5.952	65	208438	52.020	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.040%
32) Benzene-d6	5.971	84	589984	53.126	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.260%
36) 1,2-Dichloropropane-d6	7.306	67	184977	54.146	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.300%
41) Toluene-d8	8.647	98	530576	52.162	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.320%
43) trans-1,3-Dichloroprop...	8.952	79	73484	46.840	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.680%
47) 2-Hexanone-d5	9.385	63	151533	110.978	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.980%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	224943	52.984	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.960%
66) 1,2-Dichlorobenzene-d4	12.317	152	187489	55.132	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	6897	1.727	ug/L	95
3) Chloromethane	1.295	50	6985	1.861	ug/L	88
5) Vinyl chloride	1.374	62	7114	1.870	ug/L #	73
6) Bromomethane	1.612	94	3974	1.848	ug/L	82
8) Chloroethane	1.691	64	4079	1.905	ug/L	100
9) Trichlorofluoromethane	1.886	101	9012	1.702	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	7987	2.431	ug/L #	78
12) 1,1-Dichloroethene	2.319	96	7189	2.459	ug/L #	1
13) Acetone	2.398	43	8612	4.278	ug/L	99
14) Carbon disulfide	2.508	76	12392	1.577	ug/L #	94
15) Methyl Acetate	2.709	43	6707	1.941	ug/L	96
16) Methylene chloride	2.794	84	6049	1.886	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	4938	1.642	ug/L	89
18) Methyl tert-butyl Ether	3.111	73	19039	1.812	ug/L	100
19) 1,1-Dichloroethane	3.605	63	10439	1.744	ug/L	92
20) cis-1,2-Dichloroethene	4.477	96	6054	1.760	ug/L	96
22) 2-Butanone	4.581	43	9975m	3.879	ug/L	
23) Bromochloromethane	4.910	128	3020	1.775	ug/L #	69
25) Chloroform	5.093	83	15380	2.505	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	9528	1.832	ug/L	95
29) Cyclohexane	5.471	56	9725	1.778	ug/L #	94
30) 1,1,1-Trichloroethane	5.385	97	8502	1.616	ug/L	98
31) Carbon tetrachloride	5.678	117	7424	1.637	ug/L	96
33) Benzene	6.038	78	23450	1.848	ug/L	100
34) Trichloroethene	7.123	95	6066	1.773	ug/L	90
35) Methylcyclohexane	7.379	83	8521	1.728	ug/L	99
37) 1,2-Dichloropropane	7.434	63	6100	1.815	ug/L	99
38) Bromodichloromethane	7.824	83	6682	1.571	ug/L	94
39) cis-1,3-Dichloropropene	8.366	75	8497	1.654	ug/L	95
40) 4-Methyl-2-pentanone	8.574	43	15285	3.422	ug/L	98
42) Toluene	8.720	91	23747	1.807	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	7938	1.678	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	5302	1.691	ug/L	97
46) Tetrachloroethene	9.275	164	4163	1.634	ug/L	91
48) 2-Hexanone	9.433	43	14667	4.189	ug/L	93
49) Dibromochloromethane	9.519	129	4574	1.483	ug/L	90
50) 1,2-Dibromoethane	9.610	107	5760	1.751	ug/L #	97
51) Chlorobenzene	10.080	112	15695	1.853	ug/L	99
52) Ethylbenzene	10.195	91	24980	1.675	ug/L	95
53) m,p-Xylene	10.299	106	9549	1.700	ug/L	97
54) o-Xylene	10.640	106	9279	1.676	ug/L	100
55) Styrene	10.659	104	14421	1.554	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.214	83	9405	2.021	ug/L	94
59) Bromoform	10.799	173	2916	1.476	ug/L	90
60) Isopropylbenzene	10.964	105	23875	1.764	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	7041	1.981	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	18827	1.678	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	18939	1.709	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	10925	1.812	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	11620	1.906	ug/L	92
67) 1,2-Dichlorobenzene	12.335	146	11562	1.947	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	1240	1.363	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.116	180	6880	1.824	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	6199	1.767	ug/L	96
71) Naphthalene	13.780	128	19186	1.601	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	6308	1.791	ug/L	93

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

