

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072022\
 Data File : VX030127.D
 Acq On : 20 Jul 2022 12:12
 Operator : JC/MD
 Sample : N3670-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2022-04

Quant Time: Jul 21 07:08:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 21 06:57:25 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

07/21/2022
 07/22/2022 By :Mahesh
 Dadoda

07/22/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	263135	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	235149	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	110784	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	95352	46.457	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.920%
7) Chloroethane-d5	1.666	69	71811	50.559	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.120%
11) 1,1-Dichloroethene-d2	2.306	63	154661	38.957	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.920%
21) 2-Butanone-d5	4.465	46	222939	110.449	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.450%
24) Chloroform-d	5.062	84	205548	49.327	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.660%
26) 1,2-Dichloroethane-d4	5.958	65	133228	51.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.220%
32) Benzene-d6	5.977	84	448886	51.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.720%
36) 1,2-Dichloropropane-d6	7.312	67	144853	52.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.380%
41) Toluene-d8	8.653	98	397567	50.340	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.680%
43) trans-1,3-Dichloroprop...	8.952	79	52268	44.340	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.680%
47) 2-Hexanone-d5	9.384	63	155835	111.956	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.960%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	194399	52.484	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.960%
66) 1,2-Dichlorobenzene-d4	12.323	152	136639	53.207	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.420%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	5185	2.353	ug/L	98
3) Chloromethane	1.288	50	4752	2.413	ug/L #	77
5) Vinyl chloride	1.374	62	5178	2.522	ug/L #	60
6) Bromomethane	1.611	94	2459	2.655	ug/L	96
8) Chloroethane	1.685	64	2871	2.534	ug/L	93
9) Trichlorofluoromethane	1.886	101	6725	2.530	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	5686	3.026	ug/L #	86
12) 1,1-Dichloroethene	2.319	96	5383	2.972	ug/L #	1
13) Acetone	2.386	43	7430	6.612	ug/L	100
14) Carbon disulfide	2.508	76	12254	2.404	ug/L	97
15) Methyl Acetate	2.709	43	7332	2.865	ug/L	97
16) Methylene chloride	2.788	84	7897	3.611	ug/L	97
17) trans-1,2-Dichloroethene	3.099	96	4894	2.539	ug/L	95
18) Methyl tert-butyl Ether	3.123	73	14537	2.448	ug/L	96
19) 1,1-Dichloroethane	3.605	63	9004	2.555	ug/L	89
20) cis-1,2-Dichloroethene	4.495	96	6041	2.699	ug/L	90
22) 2-Butanone	4.580	43	10471m	5.450	ug/L	
23) Bromochloromethane	4.897	128	3038m	2.728	ug/L	
27) 1,2-Dichloroethane	6.092	62	7414m	2.699	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.477	56	8100	2.512	ug/L	93
30) 1,1,1-Trichloroethane	5.385	97	7408m	2.561	ug/L	
31) Carbon tetrachloride	5.672	117	5498m	2.307	ug/L	
33) Benzene	6.044	78	20418	2.494	ug/L	100
35) Methylcyclohexane	7.385	83	7962	2.413	ug/L	97
37) 1,2-Dichloropropane	7.434	63	5441	2.539	ug/L #	97
38) Bromodichloromethane	7.824	83	5964	2.275	ug/L #	94
39) cis-1,3-Dichloropropene	8.372	75	6138	2.004	ug/L	98
40) 4-Methyl-2-pentanone	8.580	43	17431	5.001	ug/L	100
42) Toluene	8.720	91	21363	2.513	ug/L	92
44) trans-1,3-Dichloropropene	8.982	75	6614	2.306	ug/L	91
45) 1,1,2-Trichloroethane	9.159	97	5514	2.689	ug/L	91
46) Tetrachloroethene	9.275	164	3693	2.431	ug/L	94
49) Dibromochloromethane	9.525	129	4825	2.351	ug/L	99
50) 1,2-Dibromoethane	9.610	107	5716	2.625	ug/L #	81
51) Chlorobenzene	10.079	112	13218	2.474	ug/L	95
52) Ethylbenzene	10.195	91	20321	2.243	ug/L	99
53) m,p-Xylene	10.305	106	7873	2.229	ug/L	92
54) o-Xylene	10.646	106	8058	2.349	ug/L	93
55) Styrene	10.659	104	12559	2.125	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	9151	2.828	ug/L #	91
59) Bromoform	10.805	173	3151	2.435	ug/L	99
60) Isopropylbenzene	10.963	105	19070	2.349	ug/L	97
61) 1,2,3-Trichloropropane	11.244	75	6980	2.840	ug/L	98
62) 1,3,5-Trimethylbenzene	11.457	105	15397	2.295	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	14792	2.211	ug/L	94
64) 1,3-Dichlorobenzene	11.969	146	9557	2.676	ug/L	92
65) 1,4-Dichlorobenzene	12.043	146	9437	2.628	ug/L	94
67) 1,2-Dichlorobenzene	12.341	146	9850	2.711	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.945	75	1677	2.272	ug/L #	90
69) 1,3,5-Trichlorobenzene	13.115	180	5919	2.454	ug/L	93
70) 1,2,4-trichlorobenzene	13.591	180	5170	2.442	ug/L	98
71) Naphthalene	13.780	128	19272	2.225	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	5091	2.264	ug/L	94

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

