

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071922\
 Data File : VX030120.D
 Acq On : 19 Jul 2022 16:43
 Operator : JC/MD
 Sample : N3670-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2022-03

Quant Time: Jul 20 08:55:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 20 07:48:58 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	265565	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	240227	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	115381	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	94003	45.381	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.760%
7) Chloroethane-d5	1.666	69	73509	51.281	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.560%
11) 1,1-Dichloroethene-d2	2.306	63	151797	37.886	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.780%
21) 2-Butanone-d5	4.458	46	224883	110.393	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.390%
24) Chloroform-d	5.062	84	201062	47.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.620%
26) 1,2-Dichloroethane-d4	5.958	65	132466	50.349	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.700%
32) Benzene-d6	5.976	84	441413	49.919	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.840%
36) 1,2-Dichloropropane-d6	7.312	67	146495	51.662	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.320%
41) Toluene-d8	8.653	98	391694	48.548	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.100%
43) trans-1,3-Dichloroprop...	8.952	79	58866	48.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.760%
47) 2-Hexanone-d5	9.384	63	155918	109.647	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.650%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	197168	52.107	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.220%
66) 1,2-Dichlorobenzene-d4	12.323	152	141485	52.899	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	4902	2.204	ug/L	96
3) Chloromethane	1.288	50	4815	2.423	ug/L	96
5) Vinyl chloride	1.374	62	4606	2.223	ug/L #	61
6) Bromomethane	1.605	94	2642	2.827	ug/L	90
8) Chloroethane	1.685	64	2597	2.271	ug/L	83
9) Trichlorofluoromethane	1.886	101	5943	2.216	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	5904	3.114	ug/L #	79
12) 1,1-Dichloroethene	2.313	96	5413	2.961	ug/L #	1
13) Acetone	2.386	43	5968	5.263	ug/L	93
14) Carbon disulfide	2.508	76	11867	2.307	ug/L	96
15) Methyl Acetate	2.709	43	6609	2.559	ug/L	96
16) Methylene chloride	2.788	84	7245	3.283	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	4337	2.229	ug/L	98
18) Methyl tert-butyl Ether	3.117	73	13359	2.229	ug/L	96
19) 1,1-Dichloroethane	3.611	63	8017	2.254	ug/L	96
20) cis-1,2-Dichloroethene	4.495	96	4899	2.169	ug/L	96
22) 2-Butanone	4.568	43	9014m	4.649	ug/L	
23) Bromochloromethane	4.904	128	2465m	2.193	ug/L	
27) 1,2-Dichloroethane	6.098	62	6487	2.340	ug/L #	83

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) Cyclohexane	5.477	56	7098	2.154	ug/L	#	23
30) 1,1,1-Trichloroethane	5.391	97	6482	2.193	ug/L	#	77
31) Carbon tetrachloride	5.678	117	5150	2.115	ug/L		97
33) Benzene	6.037	78	17723	2.119	ug/L		100
35) Methylcyclohexane	7.385	83	7403	2.196	ug/L		96
37) 1,2-Dichloropropane	7.434	63	5119	2.338	ug/L		98
38) Bromodichloromethane	7.824	83	5433	2.028	ug/L	#	91
39) cis-1,3-Dichloropropene	8.366	75	6725m	2.149	ug/L		100
40) 4-Methyl-2-pentanone	8.580	43	15117	4.245	ug/L		97
42) Toluene	8.720	91	19731	2.272	ug/L		91
44) trans-1,3-Dichloropropene	8.982	75	6580	2.245	ug/L		92
45) 1,1,2-Trichloroethane	9.159	97	5131	2.449	ug/L		80
46) Tetrachloroethene	9.275	164	3516	2.265	ug/L		95
49) Dibromochloromethane	9.525	129	4344	2.072	ug/L		88
50) 1,2-Dibromoethane	9.616	107	4849	2.180	ug/L		91
51) Chlorobenzene	10.079	112	12106	2.218	ug/L		95
52) Ethylbenzene	10.195	91	18802	2.031	ug/L		98
53) m,p-Xylene	10.305	106	7246	2.008	ug/L		89
54) o-Xylene	10.646	106	7437	2.122	ug/L		90
55) Styrene	10.659	104	11742	1.945	ug/L		100
57) 1,1,2,2-Tetrachloroethane	11.213	83	8507	2.573	ug/L	#	89
59) Bromoform	10.799	173	2759	2.047	ug/L		96
60) Isopropylbenzene	10.963	105	17666	2.089	ug/L		99
61) 1,2,3-Trichloropropane	11.244	75	6188	2.418	ug/L		98
62) 1,3,5-Trimethylbenzene	11.451	105	14286	2.044	ug/L		95
63) 1,2,4-Trimethylbenzene	11.756	105	13786	1.979	ug/L		97
64) 1,3-Dichlorobenzene	11.975	146	8395	2.257	ug/L		94
65) 1,4-Dichlorobenzene	12.042	146	9109	2.436	ug/L		91
67) 1,2-Dichlorobenzene	12.335	146	9431	2.492	ug/L		90
68) 1,2-Dibromo-3-chloropr...	12.951	75	1618	2.105	ug/L		90
69) 1,3,5-Trichlorobenzene	13.115	180	5306	2.113	ug/L		96
70) 1,2,4-trichlorobenzene	13.591	180	5303	2.405	ug/L		94
71) Naphthalene	13.780	128	18711	2.075	ug/L		98
72) 1,2,3-Trichlorobenzene	13.963	180	5247	2.240	ug/L		97

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

