

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120523\
 Data File : VX039081.D
 Acq On : 05 Dec 2023 13:59
 Operator : JC/MD
 Sample : 04696-02 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Dec 06 03:45:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 06 02:19:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	255732	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	239719	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	117701	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	102010	50.857	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 101.720%	
7) Chloroethane-d5	1.666	69	76493	51.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 103.180%	
11) 1,1-Dichloroethene-d2	2.307	65	44100	50.086	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 100.180%	
21) 2-Butanone-d5	4.446	46	191750	105.609	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 105.610%	
24) Chloroform-d	5.056	84	174220	49.065	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 98.140%	
26) 1,2-Dichloroethane-d4	5.952	65	116081	50.479	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 100.960%	
32) Benzene-d6	5.971	84	380092	51.376	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.760%	
36) 1,2-Dichloropropane-d6	7.306	67	123085	51.697	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 103.400%	
41) Toluene-d8	8.647	98	340511	50.789	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 101.580%	
43) trans-1,3-Dichloroprop...	8.946	79	59688	49.264	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 98.520%	
47) 2-Hexanone-d5	9.378	63	146573	103.073	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 103.070%	
56) 1,1,2,2-Tetrachloroeth...	11.189	84	168900	50.007	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 100.020%	
66) 1,2-Dichlorobenzene-d4	12.317	152	114164	51.315	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 102.640%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	5009	2.456	ug/L	100
3) Chloromethane	1.295	50	5281	2.477	ug/L	91
5) Vinyl chloride	1.374	62	5600	2.666	ug/L #	63
6) Bromomethane	1.612	94	3362	2.965	ug/L	82
8) Chloroethane	1.691	64	3027	2.549	ug/L	94
9) Trichlorofluoromethane	1.892	101	6565	2.411	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	5428	3.099	ug/L #	86
12) 1,1-Dichloroethene	2.319	96	5229	3.174	ug/L #	1
13) Acetone	2.374	43	7672	4.398	ug/L	98
14) Carbon disulfide	2.514	76	14075	2.685	ug/L	96
15) Methyl Acetate	2.697	43	6088	2.442	ug/L	98
16) Methylene chloride	2.788	84	4975	2.628	ug/L	85
17) trans-1,2-Dichloroethene	3.093	96	4395	2.532	ug/L	90
18) Methyl tert-butyl Ether	3.111	73	14287	2.365	ug/L	99
19) 1,1-Dichloroethane	3.611	63	8150	2.375	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	4911	2.439	ug/L	90
22) 2-Butanone	4.556	43	10280	4.802	ug/L	90
23) Bromochloromethane	4.891	128	2244	2.371	ug/L #	90
25) Chloroform	5.087	83	13567	3.963	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	7026	2.600	ug/L	97
29) Cyclohexane	5.471	56	8255	2.462	ug/L #	94
30) 1,1,1-Trichloroethane	5.385	97	7173	2.466	ug/L	99
31) Carbon tetrachloride	5.666	117	5402m	2.226	ug/L	
33) Benzene	6.031	78	18633	2.446	ug/L	100
34) Trichloroethene	7.123	95	5062	2.514	ug/L	89
35) Methylcyclohexane	7.379	83	8128	2.424	ug/L	98
37) 1,2-Dichloropropane	7.428	63	5039	2.385	ug/L #	96
38) Bromodichloromethane	7.818	83	5973	2.324	ug/L #	99
39) cis-1,3-Dichloropropene	8.366	75	7336	2.177	ug/L	86
40) 4-Methyl-2-pentanone	8.574	43	16482	4.655	ug/L	98
42) Toluene	8.714	91	19905	2.464	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	7316	2.340	ug/L	97
45) 1,1,2-Trichloroethane	9.147	97	4422	2.284	ug/L	94
46) Tetrachloroethene	9.275	164	3312	2.494	ug/L	97
48) 2-Hexanone	9.427	43	14560	4.913	ug/L	99
49) Dibromochloromethane	9.519	129	4493	2.382	ug/L	93
50) 1,2-Dibromoethane	9.610	107	5270	2.541	ug/L #	95
51) Chlorobenzene	10.080	112	12334	2.472	ug/L	95
52) Ethylbenzene	10.195	91	21978	2.434	ug/L	95
53) m,p-Xylene	10.299	106	7945	2.353	ug/L	96
54) o-Xylene	10.640	106	7608	2.348	ug/L	83
55) Styrene	10.659	104	13091	2.361	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.207	83	8885	2.629	ug/L #	88
59) Bromoform	10.799	173	3010	2.176	ug/L #	98
60) Isopropylbenzene	10.964	105	20220	2.351	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	6547	2.539	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	17333	2.387	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	17179	2.413	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	9458	2.569	ug/L	93
65) 1,4-Dichlorobenzene	12.037	146	9573	2.566	ug/L	89
67) 1,2-Dichlorobenzene	12.335	146	8614	2.446	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.939	75	1799	2.236	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.116	180	6253	2.569	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	5959	2.596	ug/L	95
71) Naphthalene	13.774	128	19049	2.420	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5303	2.386	ug/L	94

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

