

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102823\
 Data File : VX038627.D
 Acq On : 28 Oct 2023 02:13
 Operator : JC/MD
 Sample : 04696-01 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2023-07

Quant Time: Oct 28 04:55:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 28 02:45:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	427041	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	410601	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	223258	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	138239	47.951	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.900%
7) Chloroethane-d5	1.672	69	112135	50.095	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.180%
11) 1,1-Dichloroethene-d2	2.306	65	61903	48.279	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.560%
21) 2-Butanone-d5	4.452	46	230274	102.555	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.550%
24) Chloroform-d	5.056	84	283829	48.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.958	65	187473	50.523	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.040%
32) Benzene-d6	5.976	84	568376	51.185	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.360%
36) 1,2-Dichloropropane-d6	7.305	67	168953	52.333	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.660%
41) Toluene-d8	8.646	98	546921	49.399	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	8.951	79	76286	48.362	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.720%
47) 2-Hexanone-d5	9.384	63	196948	104.318	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.320%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	268992	51.104	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.323	152	228149	52.046	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	8678	2.554	ug/L	99
3) Chloromethane	1.300	50	7324	2.801	ug/L	96
5) Vinyl chloride	1.373	62	8447	2.915	ug/L #	75
6) Bromomethane	1.611	94	6282	3.142	ug/L	93
8) Chloroethane	1.690	64	5011	2.879	ug/L	89
9) Trichlorofluoromethane	1.892	101	12751	2.691	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	9547	3.325	ug/L #	84
12) 1,1-Dichloroethene	2.318	96	8632	3.244	ug/L #	1
13) Acetone	2.379	43	8697	5.831	ug/L	94
14) Carbon disulfide	2.513	76	20934	2.867	ug/L	96
15) Methyl Acetate	2.702	43	8043	2.653	ug/L	98
16) Methylene chloride	2.788	84	9527	3.269	ug/L	97
17) trans-1,2-Dichloroethene	3.099	96	7744	2.813	ug/L	99
18) Methyl tert-butyl Ether	3.111	73	22721	2.704	ug/L	98
19) 1,1-Dichloroethane	3.611	63	12733	2.754	ug/L	92
20) cis-1,2-Dichloroethene	4.489	96	8960	2.812	ug/L	95
22) 2-Butanone	4.574	43	12424m	5.558	ug/L	
23) Bromochloromethane	4.909	128	4744	2.783	ug/L	89
25) Chloroform	5.092	83	19971	3.730	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	12150	2.952	ug/L	99
29) Cyclohexane	5.470	56	10370m	2.609	ug/L	
30) 1,1,1-Trichloroethane	5.385	97	11759	2.562	ug/L #	82
31) Carbon tetrachloride	5.671	117	9907m	2.416	ug/L	
33) Benzene	6.043	78	30014	2.770	ug/L	100
35) Methylcyclohexane	7.378	83	12419	2.715	ug/L	98
37) 1,2-Dichloropropane	7.433	63	7423	2.750	ug/L	100
38) Bromodichloromethane	7.830	83	9524	2.519	ug/L	91
39) cis-1,3-Dichloropropene	8.366	75	11581	2.764	ug/L	91
40) 4-Methyl-2-pentanone	8.573	43	21426	5.279	ug/L	99
42) Toluene	8.720	91	34018	2.789	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	10838	2.711	ug/L	94
45) 1,1,2-Trichloroethane	9.152	97	8370	2.744	ug/L	96
46) Tetrachloroethene	9.274	164	7240	2.759	ug/L	98
48) 2-Hexanone	9.433	43	18996	5.850	ug/L	99
49) Dibromochloromethane	9.518	129	8183	2.543	ug/L	93
50) 1,2-Dibromoethane	9.610	107	9327	2.709	ug/L #	94
51) Chlorobenzene	10.079	112	23710	2.840	ug/L	95
52) Ethylbenzene	10.195	91	36405	2.652	ug/L	96
53) m,p-Xylene	10.305	106	14281	2.629	ug/L	98
54) o-Xylene	10.640	106	13038	2.473	ug/L	100
55) Styrene	10.658	104	22177	2.474	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	14818	2.930	ug/L #	97
59) Bromoform	10.799	173	5984	2.446	ug/L	99
60) Isopropylbenzene	10.963	105	36062	2.671	ug/L	98
61) 1,2,3-Trichloropropane	11.237	75	10784	2.889	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	29252	2.595	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	27863	2.508	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	18961	2.829	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	19910	2.884	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	19484	2.962	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.944	75	3028	2.676	ug/L	94
69) 1,3,5-Trichlorobenzene	13.115	180	13534	2.811	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	13050	2.884	ug/L	98
71) Naphthalene	13.780	128	36354	2.680	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	12601	2.855	ug/L	97

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

