

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072123\
 Data File : VX036617.D
 Acq On : 21 Jul 2023 18:28
 Operator : JC/MD
 Sample : 03572-08 5.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2023

Quant Time: Jul 22 05:15:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	178847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	311047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	280700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129270	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	126395	47.763	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.520%
35) Dibromofluoromethane	5.385	113	103783	48.543	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.080%
50) Toluene-d8	8.647	98	369847	48.782	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.560%
62) 4-Bromofluorobenzene	11.079	95	140369	49.072	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.140%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11866	5.022	ug/l	91
3) Chloromethane	1.294	50	10921	5.082	ug/l	97
4) Vinyl Chloride	1.374	62	11470	5.243	ug/l	100
5) Bromomethane	1.617	94	7006	5.364	ug/l	96
6) Chloroethane	1.691	64	5954	5.597	ug/l	95
7) Trichlorofluoromethane	1.886	101	17136	5.072	ug/l	98
8) Diethyl Ether	2.136	74	6258	4.788	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	10229	5.039	ug/l	100
10) Methyl Iodide	2.453	142	8993	4.265	ug/l	91
11) Tert butyl alcohol	2.995	59	17332	27.665	ug/l #	96
12) 1,1-Dichloroethene	2.319	96	10385	5.186	ug/l	86
13) Acrolein	2.239	56	10067	28.156	ug/l	99
14) Allyl chloride	2.666	41	18870	4.785	ug/l	96
15) Acrylonitrile	3.068	53	32458	25.762	ug/l	99
16) Acetone	2.392	43	26341	23.987	ug/l	90
17) Carbon Disulfide	2.514	76	28428	5.143	ug/l	100
18) Methyl Acetate	2.709	43	23242	5.031	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	38175	5.073	ug/l	100
20) Methylene Chloride	2.794	84	12395	5.075	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	11227	5.016	ug/l	94
22) Diisopropyl ether	3.763	45	38192	5.101	ug/l	91
23) Vinyl Acetate	3.727	43	147058	25.604	ug/l	96
24) 1,1-Dichloroethane	3.611	63	20883	4.974	ug/l	96
25) 2-Butanone	4.568	43	44804	25.148	ug/l	96
26) 2,2-Dichloropropane	4.477	77	18349	4.639	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	12946	4.870	ug/l	96
28) Bromochloromethane	4.897	49	10967	5.402	ug/l	98
29) Tetrahydrofuran	5.019	42	29690	25.848	ug/l	93
30) Chloroform	5.099	83	22017	5.126	ug/l	97
31) Cyclohexane	5.470	56	17828	4.866	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	19230	4.886	ug/l	98
36) 1,1-Dichloropropene	5.696	75	15428	4.841	ug/l	96
37) Ethyl Acetate	4.721	43	18430	5.110	ug/l #	95
38) Carbon Tetrachloride	5.684	117	16827	4.967	ug/l	91
39) Methylcyclohexane	7.385	83	19474	4.915	ug/l	95
40) Benzene	6.044	78	44926	4.846	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	9820	5.091	ug/l	92
42) 1,2-Dichloroethane	6.092	62	17279	5.097	ug/l	92
43) Isopropyl Acetate	6.342	43	31497	5.073	ug/l	98
44) Trichloroethene	7.129	130	12007	4.955	ug/l	96
45) 1,2-Dichloropropane	7.434	63	12479	5.041	ug/l	99
46) Dibromomethane	7.586	93	8657	4.997	ug/l	98
47) Bromodichloromethane	7.824	83	18075	5.083	ug/l	97
48) Methyl methacrylate	7.696	41	14181	4.911	ug/l	91
49) 1,4-Dioxane	7.708	88	6079	104.219	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	91390	26.599	ug/l	97
52) Toluene	8.720	92	28671	4.935	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	19768	4.918	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	20583	4.853	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	12216	5.003	ug/l	94
56) Ethyl methacrylate	9.116	69	20484	5.151	ug/l	93
57) 1,3-Dichloropropane	9.311	76	20725	5.096	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	50701	25.877	ug/l	100
59) 2-Hexanone	9.433	43	66748	26.177	ug/l	95
60) Dibromochloromethane	9.525	129	13334	4.968	ug/l	98
61) 1,2-Dibromoethane	9.610	107	12062	4.766	ug/l	95
64) Tetrachloroethene	9.275	164	10022	4.787	ug/l	97
65) Chlorobenzene	10.079	112	30280	4.894	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	11744	4.911	ug/l	96
67) Ethyl Benzene	10.195	91	54922	4.859	ug/l	99
68) m/p-Xylenes	10.299	106	41780	9.907	ug/l	99
69) o-Xylene	10.640	106	20469	4.862	ug/l	97
70) Styrene	10.652	104	32903	4.737	ug/l	100
71) Bromoform	10.799	173	9267	4.787	ug/l #	95
73) Isopropylbenzene	10.963	105	53906	5.039	ug/l	99
74) N-amyl acetate	10.841	43	25128	5.037	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	18213	5.040	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	20940	6.887	ug/l	92
77) Bromobenzene	11.201	156	12240	5.024	ug/l	98
78) n-propylbenzene	11.305	91	60745	4.910	ug/l	100
79) 2-Chlorotoluene	11.366	91	37564	5.010	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	45566	5.091	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	6167	4.597	ug/l	91
82) 4-Chlorotoluene	11.457	91	41525	4.861	ug/l	99
83) tert-Butylbenzene	11.713	119	44012	5.006	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	43794	4.893	ug/l	97
85) sec-Butylbenzene	11.890	105	54064	4.931	ug/l	99
86) p-Isopropyltoluene	12.006	119	44087	4.886	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	22051	4.887	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	22655	5.059	ug/l	95
89) n-Butylbenzene	12.335	91	37234	4.610	ug/l	99
90) Hexachloroethane	12.536	117	8608	4.706	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	21907	5.031	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4001	4.765	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	12356	4.606	ug/l	97
94) Hexachlorobutadiene	13.725	225	5227	4.709	ug/l	97
95) Naphthalene	13.774	128	45328	4.848	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	12186	4.609	ug/l	98

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

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