

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071123\
 Data File : VN078465.D
 Acq On : 11 Jul 2023 16:29
 Operator : JC\MD
 Sample : 03572-07 .5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

Quant Time: Jul 12 02:47:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 12 02:45:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	409916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	711520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	595227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	173059	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	320227	58.272	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.540%	
35) Dibromofluoromethane	8.177	113	275756	57.092	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 114.180%	
50) Toluene-d8	10.571	98	984842	53.975	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.940%	
62) 4-Bromofluorobenzene	12.859	95	273681	48.695	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.400%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.136	85	2367	0.471	ug/l #	71
3) Chloromethane	2.371	50	4213	0.771	ug/l #	85
4) Vinyl Chloride	2.518	62	3906	0.553	ug/l	93
5) Bromomethane	2.977	94	4758	0.943	ug/l #	58
6) Chloroethane	3.130	64	5369	1.124	ug/l #	55
7) Trichlorofluoromethane	3.512	101	4162	0.493	ug/l #	62
8) Diethyl Ether	3.983	74	1007	0.358	ug/l #	18
9) 1,1,2-Trichlorotrifluo...	4.389	101	1079	0.241	ug/l #	30
10) Methyl Iodide	4.606	142	2925	0.476	ug/l #	75
11) Tert butyl alcohol	5.512	59	2016m	2.379	ug/l	
12) 1,1-Dichloroethene	4.342	96	1817	0.420	ug/l #	61
13) Acrolein	4.183	56	2174	2.608	ug/l #	16
14) Allyl chloride	5.024	41	2676	0.453	ug/l #	79
15) Acrylonitrile	5.747	53	4331	2.023	ug/l #	88
16) Acetone	4.459	43	6039	3.528	ug/l #	80
17) Carbon Disulfide	4.706	76	4018	0.321	ug/l #	75
18) Methyl Acetate	5.042	43	4355	0.601	ug/l #	60
19) Methyl tert-butyl Ether	5.818	73	6099	0.428	ug/l #	83
20) Methylene Chloride	5.289	84	6774	1.226	ug/l #	84
21) trans-1,2-Dichloroethene	5.794	96	1675	0.344	ug/l #	69
22) Diisopropyl ether	6.689	45	5502	0.416	ug/l #	87
23) Vinyl Acetate	6.624	43	16548	1.967	ug/l #	86
24) 1,1-Dichloroethane	6.583	63	3708	0.416	ug/l #	90
25) 2-Butanone	7.500	43	6848	2.541	ug/l #	87
26) 2,2-Dichloropropane	7.494	77	894	0.123	ug/l #	2
27) cis-1,2-Dichloroethene	7.488	96	2122	0.376	ug/l #	13
28) Bromochloromethane	7.830	49	2021	0.481	ug/l #	79
29) Tetrahydrofuran	7.853	42	4059	2.296	ug/l #	34
30) Chloroform	7.983	83	4390	0.473	ug/l #	72
31) Cyclohexane	8.235	56	11576	1.559	ug/l #	1
32) 1,1,1-Trichloroethane	8.171	97	3691	0.443	ug/l #	50
36) 1,1-Dichloropropene	8.371	75	1948	0.279	ug/l #	76
37) Ethyl Acetate	7.565	43	503	0.087	ug/l #	63
38) Carbon Tetrachloride	8.365	117	3469	0.458	ug/l #	62
39) Methylcyclohexane	9.612	83	2292	0.360	ug/l	88
40) Benzene	8.618	78	8794	0.426	ug/l #	90

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	700	0.236	ug/l #	31
42) 1,2-Dichloroethane	8.688	62	3936	0.560	ug/l	98
43) Isopropyl Acetate	8.712	43	3860	0.403	ug/l #	88
44) Trichloroethene	9.365	130	2367	0.425	ug/l	99
45) 1,2-Dichloropropane	9.635	63	2639	0.504	ug/l #	85
46) Dibromomethane	9.712	93	1345	0.365	ug/l #	63
47) Bromodichloromethane	9.900	83	2781	0.377	ug/l #	95
48) Methyl methacrylate	9.694	41	1800	0.406	ug/l #	73
49) 1,4-Dioxane	9.700	88	466	4.819	ug/l #	49
51) 4-Methyl-2-Pentanone	10.459	43	10362	1.820	ug/l	97
52) Toluene	10.635	92	5743	0.448	ug/l	94
53) t-1,3-Dichloropropene	10.847	75	2876	0.380	ug/l	97
54) cis-1,3-Dichloropropene	10.324	75	2755	0.342	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	1841	0.365	ug/l #	85
56) Ethyl methacrylate	10.882	69	2636	0.374	ug/l #	69
57) 1,3-Dichloropropane	11.165	76	3585	0.418	ug/l #	88
58) 2-Chloroethyl Vinyl ether	10.171	63	5937	2.362	ug/l #	81
59) 2-Hexanone	11.206	43	7665	1.894	ug/l	91
60) Dibromochloromethane	11.365	129	2090	0.375	ug/l	67
61) 1,2-Dibromoethane	11.471	107	2332	0.449	ug/l #	72
64) Tetrachloroethene	11.106	164	2305	0.515	ug/l #	82
65) Chlorobenzene	11.900	112	6201	0.466	ug/l #	68
66) 1,1,1,2-Tetrachloroethane	11.976	131	2006	0.392	ug/l #	58
67) Ethyl Benzene	11.965	91	8135	0.362	ug/l	99
68) m/p-Xylenes	12.076	106	6551	0.788	ug/l	97
69) o-Xylene	12.412	106	2896	0.345	ug/l	88
70) Styrene	12.418	104	4341	0.330	ug/l	89
71) Bromoform	12.582	173	1306	0.377	ug/l #	100
73) Isopropylbenzene	12.694	105	7094	0.436	ug/l	94
74) N-amyl acetate	12.500	43	2716	0.485	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.941	83	3387	0.617	ug/l	89
76) 1,2,3-Trichloropropane	12.994	75	3657m	0.874	ug/l	
77) Bromobenzene	12.982	156	2111	0.529	ug/l	98
78) n-propylbenzene	13.035	91	8013	0.461	ug/l	87
79) 2-Chlorotoluene	13.129	91	5638	0.495	ug/l	80
80) 1,3,5-Trimethylbenzene	13.176	105	5467	0.425	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	270m	0.170	ug/l	
82) 4-Chlorotoluene	13.223	91	5148	0.484	ug/l	88
83) tert-Butylbenzene	13.441	119	5639	0.517	ug/l	85
84) 1,2,4-Trimethylbenzene	13.488	105	5299	0.425	ug/l	98
85) sec-Butylbenzene	13.623	105	6488	0.471	ug/l	95
86) p-Isopropyltoluene	13.735	119	4583	0.414	ug/l	91
87) 1,3-Dichlorobenzene	13.735	146	2936	0.470	ug/l #	72
88) 1,4-Dichlorobenzene	13.823	146	2998	0.477	ug/l #	47
89) n-Butylbenzene	14.070	91	2635	0.333	ug/l	91
90) Hexachloroethane	14.335	117	1114	0.476	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	2658	0.428	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	407	0.450	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.394	180	644	0.325	ug/l #	38
94) Hexachlorobutadiene	15.500	225	457	0.352	ug/l #	28
95) Naphthalene	15.653	128	2517	0.371	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.859	180	1014	0.445	ug/l #	73

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

