

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077687.D
 Acq On : 16 May 2023 13:04
 Operator : JC\MD
 Sample : VN0516WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0516WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 17 03:58:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	382652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	700649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	615658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	265223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	266074	46.472	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.940%		
35) Dibromofluoromethane	8.171	113	202931	44.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.840%		
50) Toluene-d8	10.571	98	806405	45.855	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.720%		
62) 4-Bromofluorobenzene	12.853	95	274501	44.196	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	85828	19.709	ug/l	93
3) Chloromethane	2.365	50	86032	17.467	ug/l	100
4) Vinyl Chloride	2.518	62	100304	18.269	ug/l	97
5) Bromomethane	2.959	94	74806	18.422	ug/l	98
6) Chloroethane	3.130	64	81005	20.472	ug/l	95
7) Trichlorofluoromethane	3.506	101	148985	19.471	ug/l	97
8) Diethyl Ether	3.965	74	54129	19.377	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	82424	19.465	ug/l	98
10) Methyl Iodide	4.594	142	101831	20.164	ug/l #	92
11) Tert butyl alcohol	5.518	59	75670	95.765	ug/l	99
12) 1,1-Dichloroethene	4.347	96	77069	19.149	ug/l	84
13) Acrolein	4.183	56	51708	86.384	ug/l	95
14) Allyl chloride	5.024	41	108612	18.370	ug/l	92
15) Acrylonitrile	5.724	53	201709	95.550	ug/l	99
16) Acetone	4.442	43	164632	91.396	ug/l	92
17) Carbon Disulfide	4.724	76	189441	17.469	ug/l	99
18) Methyl Acetate	5.036	43	145378	19.238	ug/l #	88
19) Methyl tert-butyl Ether	5.800	73	284746	19.547	ug/l	99
20) Methylene Chloride	5.283	84	95490	19.148	ug/l	91
21) trans-1,2-Dichloroethene	5.794	96	85195	18.845	ug/l	92
22) Diisopropyl ether	6.677	45	273267	19.719	ug/l #	93
23) Vinyl Acetate	6.612	43	797312	92.859	ug/l #	87
24) 1,1-Dichloroethane	6.577	63	165653	19.511	ug/l	98
25) 2-Butanone	7.488	43	265825	94.338	ug/l #	85
26) 2,2-Dichloropropane	7.500	77	138601	19.215	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	105672	19.494	ug/l	92
28) Bromochloromethane	7.818	49	81211	22.117	ug/l	81
29) Tetrahydrofuran	7.841	42	170781	92.561	ug/l #	83
30) Chloroform	7.971	83	178226	19.083	ug/l	95
31) Cyclohexane	8.265	56	146275	18.797	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	152841	19.248	ug/l	96
36) 1,1-Dichloropropene	8.377	75	125362	18.759	ug/l	96
37) Ethyl Acetate	7.565	43	104729	17.583	ug/l	96
38) Carbon Tetrachloride	8.371	117	129055	19.125	ug/l	93
39) Methylcyclohexane	9.612	83	161035	19.683	ug/l	92
40) Benzene	8.612	78	382635	19.403	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	58165	18.337	ug/l	90
42) 1,2-Dichloroethane	8.677	62	140489	19.612	ug/l	97
43) Isopropyl Acetate	8.694	43	186688	19.189	ug/l #	95
44) Trichloroethene	9.359	130	95504	19.126	ug/l	99
45) 1,2-Dichloropropane	9.624	63	98494	19.581	ug/l	100
46) Dibromomethane	9.712	93	69339	19.264	ug/l	99
47) Bromodichloromethane	9.894	83	137748	19.990	ug/l	94
48) Methyl methacrylate	9.688	41	90844	19.694	ug/l	87
49) 1,4-Dioxane	9.694	88	34868	400.221	ug/l #	84
51) 4-Methyl-2-Pentanone	10.453	43	559985	96.832	ug/l	93
52) Toluene	10.635	92	241331	19.657	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	139718	19.146	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	154072	19.159	ug/l	93
55) 1,1,2-Trichloroethane	11.023	97	93807	19.244	ug/l	95
56) Ethyl methacrylate	10.882	69	142139	19.285	ug/l	90
57) 1,3-Dichloropropane	11.171	76	164906	19.733	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	328867	90.697	ug/l	90
59) 2-Hexanone	11.200	43	403491	94.329	ug/l	92
60) Dibromochloromethane	11.365	129	97334	19.342	ug/l	99
61) 1,2-Dibromoethane	11.476	107	95055	19.546	ug/l	98
64) Tetrachloroethene	11.106	164	88242	20.495	ug/l	97
65) Chlorobenzene	11.900	112	256600	19.226	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	93255	20.193	ug/l	98
67) Ethyl Benzene	11.970	91	460238	19.242	ug/l	97
68) m/p-Xylenes	12.076	106	346738	38.260	ug/l	93
69) o-Xylene	12.406	106	169160	18.980	ug/l	95
70) Styrene	12.418	104	273547	19.320	ug/l	96
71) Bromoform	12.582	173	60419	19.667	ug/l #	95
73) Isopropylbenzene	12.700	105	444945	19.462	ug/l	99
74) N-amyl acetate	12.500	43	155799	18.437	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	132765	18.877	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	117831m	17.740	ug/l	
77) Bromobenzene	12.988	156	98024	18.788	ug/l	96
78) n-propylbenzene	13.041	91	516209	19.152	ug/l	99
79) 2-Chlorotoluene	13.129	91	310509	19.306	ug/l	100
80) 1,3,5-Trimethylbenzene	13.182	105	379536	19.752	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	38007	18.291	ug/l	88
82) 4-Chlorotoluene	13.229	91	306221	19.136	ug/l	98
83) tert-Butylbenzene	13.447	119	316550	18.871	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	373229	19.750	ug/l	100
85) sec-Butylbenzene	13.623	105	464426	19.481	ug/l	100
86) p-Isopropyltoluene	13.735	119	371089	19.525	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	181925	18.855	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	175339	18.313	ug/l	97
89) n-Butylbenzene	14.064	91	335148	19.172	ug/l	96
90) Hexachloroethane	14.341	117	60428	19.354	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	174237	19.330	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.729	75	25231	18.529	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	91572	17.384	ug/l	99
94) Hexachlorobutadiene	15.506	225	39384	18.008	ug/l	97
95) Naphthalene	15.647	128	305716	16.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	91398	17.722	ug/l	99

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

