

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080379.D
 Acq On : 06 Dec 2023 12:14
 Operator : JC\MD
 Sample : VN1206WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2023
 Supervised By : Mahesh Dadoda 12/08/2023

Quant Time: Dec 07 00:56:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	238171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	365916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	156754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	178609	45.418	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.840%		
35) Dibromofluoromethane	8.165	113	136351	50.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.000%		
50) Toluene-d8	10.565	98	476576	48.966	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.940%		
62) 4-Bromofluorobenzene	12.853	95	175100	47.630	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	61111	17.225	ug/l	96
3) Chloromethane	2.365	50	44140	16.549	ug/l	89
4) Vinyl Chloride	2.518	62	50262	17.806	ug/l	98
5) Bromomethane	2.959	94	34730	18.124	ug/l	97
6) Chloroethane	3.124	64	31979	17.204	ug/l	96
7) Trichlorofluoromethane	3.500	101	109316	18.565	ug/l	99
8) Diethyl Ether	3.959	74	28451	16.614	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.377	101	51226	19.033	ug/l	96
10) Methyl Iodide	4.595	142	49116	16.886	ug/l #	87
11) Tert butyl alcohol	5.512	59	36759	84.999	ug/l	99
12) 1,1-Dichloroethene	4.342	96	46388	18.428	ug/l	87
13) Acrolein	4.177	56	44414	116.047	ug/l	98
14) Allyl chloride	5.018	41	54358	17.163	ug/l	94
15) Acrylonitrile	5.712	53	100694	86.734	ug/l	99
16) Acetone	4.424	43	90834	68.769	ug/l	89
17) Carbon Disulfide	4.712	76	123400	16.417	ug/l	97
18) Methyl Acetate	5.024	43	71400	16.824	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	162238	18.250	ug/l	100
20) Methylene Chloride	5.271	84	51877	18.755	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	51441	18.601	ug/l	91
22) Diisopropyl ether	6.665	45	131218	18.726	ug/l	97
23) Vinyl Acetate	6.600	43	354570	84.169	ug/l	94
24) 1,1-Dichloroethane	6.571	63	93781	18.376	ug/l	100
25) 2-Butanone	7.488	43	115331	73.490	ug/l	92
26) 2,2-Dichloropropane	7.488	77	94651	18.693	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	57429	18.317	ug/l	87
28) Bromochloromethane	7.812	49	33626	16.760	ug/l	99
29) Tetrahydrofuran	7.835	42	69057	81.963	ug/l	98
30) Chloroform	7.965	83	110324	19.341	ug/l	92
31) Cyclohexane	8.253	56	71859	16.802	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	105123	18.897	ug/l	98
36) 1,1-Dichloropropene	8.371	75	74417	19.037	ug/l	97
37) Ethyl Acetate	7.565	43	46407	17.115	ug/l	98
38) Carbon Tetrachloride	8.365	117	98347	19.826	ug/l	94
39) Methylcyclohexane	9.600	83	67378	17.876	ug/l	95
40) Benzene	8.606	78	213674	19.233	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	26449	17.762	ug/l	91
42) 1,2-Dichloroethane	8.671	62	88804	19.537	ug/l	95
43) Isopropyl Acetate	8.688	43	81517	15.449	ug/l	97
44) Trichloroethene	9.359	130	59181	20.307	ug/l	91
45) 1,2-Dichloropropane	9.624	63	50462	19.545	ug/l	97
46) Dibromomethane	9.706	93	37890	19.387	ug/l #	88
47) Bromodichloromethane	9.888	83	86498	20.120	ug/l	100
48) Methyl methacrylate	9.682	41	46650	17.156	ug/l	95
49) 1,4-Dioxane	9.694	88	15616	345.211	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	240549	88.058	ug/l	98
52) Toluene	10.629	92	138926	19.981	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	84776	19.193	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	87920	19.483	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	53196	20.046	ug/l	98
56) Ethyl methacrylate	10.876	69	51955	19.165	ug/l #	90
57) 1,3-Dichloropropane	11.165	76	90883	19.616	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	128153	83.909	ug/l	100
59) 2-Hexanone	11.200	43	177742	80.972	ug/l	98
60) Dibromochloromethane	11.359	129	64478	20.295	ug/l	98
61) 1,2-Dibromoethane	11.471	107	52238	19.296	ug/l	98
64) Tetrachloroethene	11.100	164	57672	23.393	ug/l	93
65) Chlorobenzene	11.894	112	146430	20.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	59085	20.801	ug/l	92
67) Ethyl Benzene	11.965	91	253757	19.482	ug/l	98
68) m/p-Xylenes	12.070	106	189122	39.823	ug/l	86
69) o-Xylene	12.400	106	89720	20.046	ug/l	86
70) Styrene	12.412	104	134251	20.153	ug/l	92
71) Bromoform	12.576	173	43333	20.571	ug/l #	97
73) Isopropylbenzene	12.700	105	240998	19.785	ug/l	100
74) N-amyl acetate	12.494	43	62374	16.420	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	64062	17.572	ug/l	96
76) 1,2,3-Trichloropropane	12.994	75	65426m	17.035	ug/l	
77) Bromobenzene	12.982	156	61087	19.891	ug/l	94
78) n-propylbenzene	13.035	91	268132	19.685	ug/l	99
79) 2-Chlorotoluene	13.129	91	171940	19.435	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	215192	20.294	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	20174	17.746	ug/l	88
82) 4-Chlorotoluene	13.223	91	173574	19.152	ug/l	99
83) tert-Butylbenzene	13.441	119	166142	19.539	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	210011	20.114	ug/l	97
85) sec-Butylbenzene	13.617	105	210439	19.563	ug/l	98
86) p-Isopropyltoluene	13.735	119	193640	20.152	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	103925	18.783	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	105232	18.925	ug/l	98
89) n-Butylbenzene	14.059	91	147772	18.373	ug/l	99
90) Hexachloroethane	14.335	117	35298	18.843	ug/l	72
91) 1,2-Dichlorobenzene	14.106	146	99740	18.837	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	13841	16.345	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	51253	16.643	ug/l	99
94) Hexachlorobutadiene	15.506	225	30808	17.384	ug/l	100
95) Naphthalene	15.647	128	125360	14.038	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	47782	16.554	ug/l	98

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

