

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080454.D
 Acq On : 13 Dec 2023 12:08
 Operator : JC\MD
 Sample : VN1213WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 04:03:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	251777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	394676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	193098	60.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.100%			
35) Dibromofluoromethane	8.165	113	143396	57.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.600%			
50) Toluene-d8	10.565	98	529905	56.780	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.560%#			
62) 4-Bromofluorobenzene	12.847	95	194506	54.885	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	61930	19.248	ug/l	93
3) Chloromethane	2.359	50	59143	17.290	ug/l	99
4) Vinyl Chloride	2.518	62	48178	17.533	ug/l	94
5) Bromomethane	2.959	94	24090	19.446	ug/l	94
6) Chloroethane	3.124	64	31085	17.605	ug/l	92
7) Trichlorofluoromethane	3.501	101	107599	19.307	ug/l	99
8) Diethyl Ether	3.953	74	33196	18.910	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	52675	19.941	ug/l	94
10) Methyl Iodide	4.583	142	39269	16.901	ug/l #	83
11) Tert butyl alcohol	5.512	59	39328	103.842	ug/l	98
12) 1,1-Dichloroethene	4.342	96	49707	18.365	ug/l	89
13) Acrolein	4.171	56	38530	92.897	ug/l	98
14) Allyl chloride	5.018	41	61261	18.293	ug/l	95
15) Acrylonitrile	5.712	53	106427	99.453	ug/l	99
16) Acetone	4.418	43	68172	119.560	ug/l	100
17) Carbon Disulfide	4.706	76	134270	17.504	ug/l	97
18) Methyl Acetate	5.018	43	73275	19.972	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	180185	19.953	ug/l	99
20) Methylene Chloride	5.271	84	57695	18.907	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	55210	18.812	ug/l	94
22) Diisopropyl ether	6.665	45	141902	19.633	ug/l	96
23) Vinyl Acetate	6.600	43	390822	94.148	ug/l	93
24) 1,1-Dichloroethane	6.565	63	97953	19.425	ug/l	97
25) 2-Butanone	7.477	43	118196	107.605	ug/l	90
26) 2,2-Dichloropropane	7.489	77	97410	18.891	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	63398	19.084	ug/l	90
28) Bromochloromethane	7.806	49	37444	19.339	ug/l	100
29) Tetrahydrofuran	7.836	42	77448	98.464	ug/l	93
30) Chloroform	7.959	83	111280	19.880	ug/l	92
31) Cyclohexane	8.259	56	79573	18.196	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	108077	19.720	ug/l	97
36) 1,1-Dichloropropene	8.371	75	79927	19.534	ug/l	96
37) Ethyl Acetate	7.559	43	50432	19.683	ug/l	99
38) Carbon Tetrachloride	8.365	117	95699	19.574	ug/l	97
39) Methylcyclohexane	9.600	83	78642	18.502	ug/l	92
40) Benzene	8.606	78	230041	19.470	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28617	19.374	ug/l	93
42) 1,2-Dichloroethane	8.671	62	91899	21.004	ug/l	95
43) Isopropyl Acetate	8.688	43	90572	19.660	ug/l	97
44) Trichloroethene	9.353	130	60140	18.881	ug/l	96
45) 1,2-Dichloropropane	9.624	63	53527	19.289	ug/l	95
46) Dibromomethane	9.706	93	40349	20.247	ug/l	92
47) Bromodichloromethane	9.888	83	87057	20.383	ug/l	98
48) Methyl methacrylate	9.677	41	52624	19.142	ug/l	91
49) 1,4-Dioxane	9.694	88	16143	387.403	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	256200	100.978	ug/l	99
52) Toluene	10.629	92	146685	19.652	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	91971	19.903	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	96494	19.536	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	54091	20.140	ug/l	94
56) Ethyl methacrylate	10.871	69	57021	19.177	ug/l	90
57) 1,3-Dichloropropane	11.165	76	95408	20.265	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	195129	103.950	ug/l	99
59) 2-Hexanone	11.194	43	183694	98.071	ug/l	99
60) Dibromochloromethane	11.359	129	66371	20.855	ug/l	98
61) 1,2-Dibromoethane	11.471	107	55321	19.902	ug/l	99
64) Tetrachloroethene	11.106	164	51723	18.852	ug/l	98
65) Chlorobenzene	11.894	112	153600	19.431	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	59708	19.249	ug/l	94
67) Ethyl Benzene	11.965	91	271743	18.695	ug/l	95
68) m/p-Xylenes	12.071	106	207824	38.693	ug/l	90
69) o-Xylene	12.400	106	100922	19.210	ug/l	90
70) Styrene	12.412	104	145844	19.273	ug/l	92
71) Bromoform	12.582	173	44075	19.485	ug/l #	96
73) Isopropylbenzene	12.694	105	256666	19.172	ug/l	100
74) N-amyl acetate	12.494	43	71672	18.333	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	68726	19.158	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	64093m	19.278	ug/l	
77) Bromobenzene	12.982	156	63598	19.311	ug/l	96
78) n-propylbenzene	13.035	91	281863	19.096	ug/l	99
79) 2-Chlorotoluene	13.129	91	185449	19.245	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	225470	19.555	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	22704	17.930	ug/l #	83
82) 4-Chlorotoluene	13.223	91	187696	18.950	ug/l	97
83) tert-Butylbenzene	13.441	119	179242	18.982	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	221961	19.351	ug/l	98
85) sec-Butylbenzene	13.618	105	227693	18.850	ug/l	97
86) p-Isopropyltoluene	13.729	119	208105	19.081	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	108954	18.777	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	109271	18.656	ug/l	97
89) n-Butylbenzene	14.059	91	166636	18.296	ug/l	98
90) Hexachloroethane	14.335	117	32448	18.734	ug/l	71
91) 1,2-Dichlorobenzene	14.106	146	106612	19.350	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16081	21.312	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	59670	19.506	ug/l	97
94) Hexachlorobutadiene	15.500	225	31884	18.308	ug/l	97
95) Naphthalene	15.641	128	176721	19.024	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	57672	19.536	ug/l	99

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

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