

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080358.D
 Acq On : 05 Dec 2023 12:01
 Operator : JC\MD
 Sample : VN1205WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/06/2023
 Supervised By : Mahesh Dadoda 12/06/2023

Quant Time: Dec 06 00:48:54 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	211189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	320522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	291300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	171510	49.185	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.360%		
35) Dibromofluoromethane	8.171	113	124271	52.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.100%		
50) Toluene-d8	10.571	98	422321	49.536	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.080%		
62) 4-Bromofluorobenzene	12.847	95	163485	50.768	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	60963	19.379	ug/l	96
3) Chloromethane	2.365	50	42494	17.967	ug/l	94
4) Vinyl Chloride	2.518	62	47320	18.906	ug/l	99
5) Bromomethane	2.965	94	33623	19.788	ug/l	87
6) Chloroethane	3.124	64	30155	18.384	ug/l	92
7) Trichlorofluoromethane	3.501	101	106998	20.493	ug/l	99
8) Diethyl Ether	3.959	74	29072	19.146	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	45823	19.201	ug/l	94
10) Methyl Iodide	4.589	142	53334	20.679	ug/l #	85
11) Tert butyl alcohol	5.518	59	39002	101.708	ug/l	98
12) 1,1-Dichloroethene	4.342	96	43823	19.633	ug/l #	83
13) Acrolein	4.177	56	27375	80.665	ug/l	95
14) Allyl chloride	5.030	41	47605	16.951	ug/l #	86
15) Acrylonitrile	5.712	53	94438	91.738	ug/l	99
16) Acetone	4.424	43	93510	79.840	ug/l	92
17) Carbon Disulfide	4.712	76	118147	17.727	ug/l	100
18) Methyl Acetate	5.030	43	66732	17.733	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	164577	20.878	ug/l	98
20) Methylene Chloride	5.277	84	50237	20.482	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	49474	20.176	ug/l	90
22) Diisopropyl ether	6.677	45	120837	19.448	ug/l	96
23) Vinyl Acetate	6.606	43	344798	92.307	ug/l	95
24) 1,1-Dichloroethane	6.571	63	87823	19.407	ug/l	97
25) 2-Butanone	7.483	43	112909	81.139	ug/l	96
26) 2,2-Dichloropropane	7.488	77	87887	19.575	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	55536	19.976	ug/l	87
28) Bromochloromethane	7.812	49	32462	18.247	ug/l	99
29) Tetrahydrofuran	7.835	42	69075	92.459	ug/l	93
30) Chloroform	7.965	83	106350	21.026	ug/l	89
31) Cyclohexane	8.259	56	66981	17.663	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	103343	20.951	ug/l	98
36) 1,1-Dichloropropene	8.371	75	70224	20.509	ug/l	96
37) Ethyl Acetate	7.565	43	43671	18.387	ug/l	99
38) Carbon Tetrachloride	8.365	117	95649	22.013	ug/l	98
39) Methylcyclohexane	9.600	83	62175	18.832	ug/l	90
40) Benzene	8.606	78	204198	20.983	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	25974	19.914	ug/l	93
42) 1,2-Dichloroethane	8.671	62	88833	22.312	ug/l	95
43) Isopropyl Acetate	8.688	43	82960	17.949	ug/l	98
44) Trichloroethene	9.353	130	55821	21.867	ug/l	99
45) 1,2-Dichloropropane	9.624	63	48552	21.468	ug/l	94
46) Dibromomethane	9.712	93	38007	22.201	ug/l #	89
47) Bromodichloromethane	9.888	83	84492	22.437	ug/l	98
48) Methyl methacrylate	9.682	41	47530	19.955	ug/l	92
49) 1,4-Dioxane	9.694	88	16255	410.228	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	232919	97.340	ug/l	99
52) Toluene	10.635	92	132216	21.709	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	83754	21.647	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	87310	22.088	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	50438	21.699	ug/l	96
56) Ethyl methacrylate	10.876	69	50753	21.373	ug/l	93
57) 1,3-Dichloropropane	11.165	76	85699	21.116	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	116887	87.372	ug/l	99
59) 2-Hexanone	11.194	43	174081	90.536	ug/l	95
60) Dibromochloromethane	11.359	129	63607	22.856	ug/l	100
61) 1,2-Dibromoethane	11.471	107	51022	21.516	ug/l	98
64) Tetrachloroethene	11.106	164	52327	23.538	ug/l	95
65) Chlorobenzene	11.894	112	138533	20.988	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	58965	23.020	ug/l	92
67) Ethyl Benzene	11.965	91	251620	21.423	ug/l	93
68) m/p-Xylenes	12.071	106	186385	43.523	ug/l	90
69) o-Xylene	12.400	106	91583	22.692	ug/l	93
70) Styrene	12.412	104	134092	22.323	ug/l	93
71) Bromoform	12.582	173	43530	22.916	ug/l #	98
73) Isopropylbenzene	12.700	105	229348	20.262	ug/l	100
74) N-amyl acetate	12.494	43	62937	17.830	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	64691	19.096	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	61551m	17.246	ug/l	
77) Bromobenzene	12.982	156	57506	20.151	ug/l	97
78) n-propylbenzene	13.035	91	251668	19.883	ug/l	100
79) 2-Chlorotoluene	13.129	91	166883	20.300	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	201621	20.463	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	22437	21.240	ug/l	92
82) 4-Chlorotoluene	13.223	91	167935	19.941	ug/l	97
83) tert-Butylbenzene	13.441	119	156422	19.797	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	201115	20.729	ug/l	97
85) sec-Butylbenzene	13.617	105	195682	19.577	ug/l	98
86) p-Isopropyltoluene	13.729	119	178398	19.979	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	102336	19.904	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	102897	19.914	ug/l	97
89) n-Butylbenzene	14.059	91	140222	18.762	ug/l	99
90) Hexachloroethane	14.335	117	33727	19.375	ug/l	70
91) 1,2-Dichlorobenzene	14.112	146	99788	20.282	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14668	18.641	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	51222	17.900	ug/l	99
94) Hexachlorobutadiene	15.500	225	29216	17.742	ug/l	97
95) Naphthalene	15.647	128	134921	16.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	48114	17.938	ug/l	99

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

