

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069933.D
 Acq On : 10 Dec 2021 1:15
 Operator : JC/MD
 Sample : VN1209WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 10 06:27:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	948390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1576856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1439207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	568606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	774667	52.903	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.800%			
35) Dibromofluoromethane	8.024	113	540675	54.740	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.480%			
50) Toluene-d8	10.440	98	2065470	52.080	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.160%			
62) 4-Bromofluorobenzene	12.731	95	698760	48.633	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	222081	20.077	ug/l	95
3) Chloromethane	2.303	50	267778	19.323	ug/l	100
4) Vinyl Chloride	2.448	62	257253	20.189	ug/l	99
5) Bromomethane	2.858	94	140635	20.315	ug/l	99
6) Chloroethane	3.025	64	153163	19.615	ug/l	98
7) Trichlorofluoromethane	3.379	101	345890	20.682	ug/l	99
8) Diethyl Ether	3.827	74	135122	20.978	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.210	101	196273	20.936	ug/l	95
10) Methyl Iodide	4.422	142	240573	18.785	ug/l	97
11) Tert butyl alcohol	5.377	59	242094	87.464	ug/l	97
12) 1,1-Dichloroethene	4.183	96	184228	20.393	ug/l	85
13) Acrolein	4.044	56	243496	103.302	ug/l	100
14) Allyl chloride	4.843	41	435137	21.376	ug/l #	91
15) Acrylonitrile	5.556	53	721690	96.760	ug/l	99
16) Acetone	4.291	43	678166	76.990	ug/l	96
17) Carbon Disulfide	4.529	76	512390	21.954	ug/l	97
18) Methyl Acetate	4.857	43	514299	19.343	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	730225	20.789	ug/l	98
20) Methylene Chloride	5.101	84	237742	20.303	ug/l #	87
21) trans-1,2-Dichloroethene	5.599	96	199825	20.365	ug/l	86
22) Diisopropyl ether	6.501	45	875990	22.016	ug/l	95
23) Vinyl Acetate	6.436	43	3503767	108.242	ug/l #	93
24) 1,1-Dichloroethane	6.388	63	445666	21.623	ug/l	98
25) 2-Butanone	7.337	43	1043865	87.220	ug/l	91
26) 2,2-Dichloropropane	7.327	77	315676	19.699	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	244353	20.612	ug/l	86
28) Bromochloromethane	7.659	49	217341	20.279	ug/l #	78
29) Tetrahydrofuran	7.686	42	692179	95.244	ug/l	88
30) Chloroform	7.820	83	443243	21.294	ug/l	98
31) Cyclohexane	8.096	56	417620	20.493	ug/l	88
32) 1,1,1-Trichloroethane	8.016	97	384965	21.712	ug/l	96
36) 1,1-Dichloropropene	8.222	75	312161	20.795	ug/l	96
37) Ethyl Acetate	7.415	43	431409	19.309	ug/l	94
38) Carbon Tetrachloride	8.206	117	333496	22.656	ug/l	98
39) Methylcyclohexane	9.459	83	350645	19.638	ug/l	89
40) Benzene	8.461	78	960839	20.941	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	229301	21.863	ug/l #	84
42) 1,2-Dichloroethane	8.531	62	385825	20.830	ug/l	97
43) Isopropyl Acetate	8.563	43	673776	20.379	ug/l #	93
44) Trichloroethene	9.217	130	224781	20.525	ug/l	93
45) 1,2-Dichloropropane	9.491	63	266339	21.616	ug/l	99
46) Dibromomethane	9.577	93	169691	20.999	ug/l	92
47) Bromodichloromethane	9.762	83	359238	23.480	ug/l	99
48) Methyl methacrylate	9.561	41	306690	19.877	ug/l	89
49) 1,4-Dioxane	9.569	88	88312	318.983	ug/l #	79
51) 4-Methyl-2-Pentanone	10.330	43	2132924	99.443	ug/l	94
52) Toluene	10.505	92	583779	20.840	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	348920	20.693	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	382046	20.987	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	235428	20.830	ug/l	96
56) Ethyl methacrylate	10.760	69	384346	19.480	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	417190	20.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	413549	84.916	ug/l	90
59) 2-Hexanone	11.084	43	1459454	89.949	ug/l	92
60) Dibromochloromethane	11.237	129	255455	22.468	ug/l	99
61) 1,2-Dibromoethane	11.344	107	238421	20.366	ug/l	99
64) Tetrachloroethene	10.977	164	198396	20.330	ug/l	94
65) Chlorobenzene	11.771	112	608262	20.833	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	236780	23.041	ug/l	99
67) Ethyl Benzene	11.843	91	1111463	20.957	ug/l	97
68) m/p-Xylenes	11.953	106	803625	41.615	ug/l	91
69) o-Xylene	12.280	106	401713	20.652	ug/l	92
70) Styrene	12.294	104	646712	20.967	ug/l	95
71) Bromoform	12.457	173	186075	22.745	ug/l #	99
73) Isopropylbenzene	12.578	105	1036969	20.498	ug/l	99
74) N-amyl acetate	12.387	43	442714	19.788	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	362726	20.734	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	330331m	20.258	ug/l	
77) Bromobenzene	12.860	156	239765	20.177	ug/l	78
78) n-propylbenzene	12.919	91	1166460	20.720	ug/l	96
79) 2-Chlorotoluene	13.007	91	728057	20.467	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	854071	20.975	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	91715	20.974	ug/l	95
82) 4-Chlorotoluene	13.104	91	680628	20.346	ug/l	93
83) tert-Butylbenzene	13.323	119	729864	20.243	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	813447	20.976	ug/l	98
85) sec-Butylbenzene	13.501	105	995800	20.362	ug/l	97
86) p-Isopropyltoluene	13.616	119	773948	20.246	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	393726	20.169	ug/l	98
88) 1,4-Dichlorobenzene	13.694	146	380855	19.852	ug/l	97
89) n-Butylbenzene	13.943	91	598863	19.312	ug/l	98
90) Hexachloroethane	14.209	117	163938	24.426	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	387266	20.360	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	65428	20.697	ug/l	77
93) 1,2,4-Trichlorobenzene	15.263	180	164366	19.483	ug/l	99
94) Hexachlorobutadiene	15.370	225	103993	20.630	ug/l	98
95) Naphthalene	15.507	128	438599	18.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	162322	19.419	ug/l	99

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

