

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064987.D
 Acq On : 8 Dec 2020 23:26
 Operator : JC/MD
 Sample : VN1208WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:55:54 AM

Quant Time: Dec 09 08:07:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	188057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	307172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	271089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	108316	49.54	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.08%
35) Dibromofluoromethane	7.55	113	95771	52.11	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.22%
50) Toluene-d8	10.06	98	363501	48.40	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.80%
62) 4-Bromofluorobenzene	12.37	95	126458	47.05	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25423	15.598	ug/l	99
3) Chloromethane	2.04	50	33808	15.962	ug/l	99
4) Vinyl Chloride	2.17	62	37405	16.939	ug/l	98
5) Bromomethane	2.53	94	26154	18.053	ug/l	96
6) Chloroethane	2.67	64	24813	18.168	ug/l	96
7) Trichlorofluoromethane	2.99	101	56007	18.349	ug/l	99
8) Diethyl Ether	3.37	74	22569	18.732	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	34220	18.689	ug/l	100
10) Methyl Iodide	3.91	142	37529	15.801	ug/l	99
11) Tert butyl alcohol	4.74	59	28675	84.102	ug/l	98
12) 1,1-Dichloroethene	3.69	96	32206	17.661	ug/l	98
13) Acrolein	3.57	56	14769	70.915	ug/l	96
14) Allyl chloride	4.28	41	51832	17.233	ug/l	99
15) Acrylonitrile	4.93	53	86796	92.150	ug/l	99
16) Acetone	3.78	43	66044	91.894	ug/l	99
17) Carbon Disulfide	4.01	76	75525	16.044	ug/l	99
18) Methyl Acetate	4.28	43	41903	19.392	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	107839	18.438	ug/l	98
20) Methylene Chloride	4.50	84	41231	18.308	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	35301	17.432	ug/l	98
22) Diisopropyl ether	5.90	45	116836	19.407	ug/l	97
23) Vinyl Acetate	5.85	43	446679	92.784	ug/l	99
24) 1,1-Dichloroethane	5.79	63	69572	19.337	ug/l	99
25) 2-Butanone	6.79	43	106177	91.136	ug/l	96
26) 2,2-Dichloropropane	6.77	77	52505	16.826	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	43022	18.880	ug/l	95
28) Bromochloromethane	7.15	49	31464	19.116	ug/l	97
29) Tetrahydrofuran	7.17	42	70589	87.774	ug/l	98
30) Chloroform	7.32	83	70982	19.131	ug/l	93
31) Cyclohexane	7.61	56	50148	16.457	ug/l #	95
32) 1,1,1-Trichloroethane	7.53	97	60964	19.131	ug/l	98
36) 1,1-Dichloropropene	7.75	75	50200	17.631	ug/l	98
37) Ethyl Acetate	6.88	43	45638	16.640	ug/l #	83
38) Carbon Tetrachloride	7.73	117	52642	17.770	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	46871	15.292	ug/l	96
40) Benzene	8.00	78	156067	17.888	ug/l	99
41) Methacrylonitrile	7.13	41	20455	16.164	ug/l #	88
42) 1,2-Dichloroethane	8.09	62	52828	17.949	ug/l	98
43) Isopropyl Acetate	8.13	43	80301	18.196	ug/l	98
44) Trichloroethene	8.80	130	42868	16.653	ug/l	99
45) 1,2-Dichloropropane	9.08	63	41805	18.503	ug/l	100
46) Dibromomethane	9.17	93	28326	18.766	ug/l	95
47) Bromodichloromethane	9.37	83	55445	18.255	ug/l	99
48) Methyl methacrylate	9.17	41	37267	17.672	ug/l	99
49) 1,4-Dioxane	9.17	88	13437	337.137	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	234644	88.564	ug/l	99
52) Toluene	10.12	92	99697	18.555	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	58501	17.294	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	64838	17.882	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	40633	18.390	ug/l	97
56) Ethyl methacrylate	10.40	69	51794	16.987	ug/l	96
57) 1,3-Dichloropropane	10.68	76	66309	18.193	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	143309	85.448	ug/l	99
59) 2-Hexanone	10.72	43	162422	85.182	ug/l	99
60) Dibromochloromethane	10.87	129	44704	18.202	ug/l	100
61) 1,2-Dibromoethane	10.98	107	40627	18.099	ug/l	99
64) Tetrachloroethene	10.60	164	43422	16.464	ug/l	95
65) Chlorobenzene	11.41	112	107929	18.540	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	43029	20.112	ug/l	98
67) Ethyl Benzene	11.48	91	178149	18.318	ug/l	99
68) m/p-Xylenes	11.59	106	138043	37.491	ug/l	99
69) o-Xylene	11.92	106	66196	18.945	ug/l	98
70) Styrene	11.94	104	111288	18.867	ug/l	99
71) Bromoform	12.10	173	31575	18.478	ug/l #	100
73) Isopropylbenzene	12.22	105	172708	18.743	ug/l	100
74) N-amyl acetate	12.04	43	63236	17.439	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	55083	20.396	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	52321m	18.340	ug/l	
77) Bromobenzene	12.50	156	46398	18.678	ug/l	98
78) n-propylbenzene	12.57	91	189764	18.078	ug/l	98
79) 2-Chlorotoluene	12.65	91	120078	18.506	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	145415	18.987	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	17693	16.998	ug/l	95
82) 4-Chlorotoluene	12.75	91	125707	18.483	ug/l	100
83) tert-Butylbenzene	12.97	119	121460	18.920	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	149067	19.250	ug/l	98
85) sec-Butylbenzene	13.14	105	154335	18.107	ug/l	99
86) p-Isopropyltoluene	13.26	119	136803	17.629	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	82050	18.591	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	80488	17.244	ug/l	97
89) n-Butylbenzene	13.59	91	107518	15.777	ug/l	99
90) Hexachloroethane	13.85	117	26095	19.357	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	79950	18.449	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10349	17.030	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	39461	14.720	ug/l	98
94) Hexachlorobutadiene	14.98	225	20831	17.500	ug/l	98
95) Naphthalene	15.10	128	114437	14.249	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	37258	15.610	ug/l	98

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

