

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059649.D
 Acq On : 18 Dec 2019 14:53
 Operator : JC/SP
 Sample : VN1218WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:11:43 AM

Quant Time: Dec 19 05:00:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	215983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	344349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117195	37.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.58%	
35) Dibromofluoromethane	7.56	113	80410	37.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.64%	
50) Toluene-d8	10.08	98	317742	37.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.50%	
62) 4-Bromofluorobenzene	12.40	95	111070	35.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35585	12.750	ug/l	99
3) Chloromethane	2.04	50	63465	14.330	ug/l	98
4) Vinyl Chloride	2.17	62	61697	14.690	ug/l	99
5) Bromomethane	2.54	94	36798	15.071	ug/l	96
6) Chloroethane	2.68	64	35981	15.243	ug/l	97
7) Trichlorofluoromethane	3.00	101	70364	15.269	ug/l	99
8) Diethyl Ether	3.39	74	21224	14.741	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	33531	14.439	ug/l	99
10) Methyl Iodide	3.93	142	42572	13.848	ug/l	99
11) Tert butyl alcohol	4.75	59	38173	66.251	ug/l	100
12) 1,1-Dichloroethene	3.71	96	30834	13.611	ug/l	97
13) Acrolein	3.58	56	23160	56.427	ug/l	96
14) Allyl chloride	4.29	41	64627	13.897	ug/l	96
15) Acrylonitrile	4.95	53	100295	71.962	ug/l	99
16) Acetone	3.79	43	120711	64.691	ug/l	98
17) Carbon Disulfide	4.02	76	102143	13.911	ug/l	99
18) Methyl Acetate	4.29	43	53843	13.771	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	111142	13.895	ug/l	97
20) Methylene Chloride	4.52	84	40883	15.171	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	35422	14.026	ug/l	95
22) Diisopropyl ether	5.91	45	127086	14.823	ug/l	90
23) Vinyl Acetate	5.86	43	522907	77.718	ug/l	99
24) 1,1-Dichloroethane	5.81	63	72956	15.022	ug/l	99
25) 2-Butanone	6.80	43	148538	66.570	ug/l	98
26) 2,2-Dichloropropane	6.80	77	64483	14.609	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	40550	14.490	ug/l	97
28) Bromochloromethane	7.17	49	25830	13.008	ug/l	97
29) Tetrahydrofuran	7.18	42	94194	69.285	ug/l	97
30) Chloroform	7.35	83	70256	14.696	ug/l	98
31) Cyclohexane	7.63	56	65598	14.295	ug/l #	93
32) 1,1,1-Trichloroethane	7.54	97	61567	14.285	ug/l	99
36) 1,1-Dichloropropene	7.77	75	52954	14.746	ug/l	97
37) Ethyl Acetate	6.90	43	58658	14.054	ug/l	99
38) Carbon Tetrachloride	7.75	117	52052	13.969	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57894	14.213	ug/l	98
40) Benzene	8.02	78	154793	14.750	ug/l	97
41) Methacrylonitrile	7.14	41	18427m	10.698	ug/l	
42) 1,2-Dichloroethane	8.10	62	61495	15.301	ug/l	100
43) Isopropyl Acetate	8.14	43	90831	13.998	ug/l	100
44) Trichloroethene	8.82	130	39970	14.541	ug/l	99
45) 1,2-Dichloropropane	9.10	63	41917	14.791	ug/l	98
46) Dibromomethane	9.19	93	26904	14.491	ug/l	99
47) Bromodichloromethane	9.39	83	54797	14.803	ug/l	100
48) Methyl methacrylate	9.18	41	39141	13.295	ug/l	99
49) 1,4-Dioxane	9.18	88	11975	283.831	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	279352	72.204	ug/l	99
52) Toluene	10.14	92	91057	14.121	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	60765	14.194	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	64708	14.379	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	38415	15.182	ug/l	97
56) Ethyl methacrylate	10.42	69	51080	13.598	ug/l	99
57) 1,3-Dichloropropane	10.70	76	65045	14.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	59950	50.182	ug/l	98
59) 2-Hexanone	10.74	43	206188	67.619	ug/l	100
60) Dibromochloromethane	10.89	129	39145	14.175	ug/l	97
61) 1,2-Dibromoethane	11.00	107	37809	14.090	ug/l	100
64) Tetrachloroethene	10.62	164	38550	13.154	ug/l	97
65) Chlorobenzene	11.43	112	99252	14.591	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	36947	14.300	ug/l	98
67) Ethyl Benzene	11.50	91	174653	14.224	ug/l	100
68) m/p-Xylenes	11.62	106	128418	28.323	ug/l	100
69) o-Xylene	11.94	106	61742	14.311	ug/l	97
70) Styrene	11.96	104	94350	13.612	ug/l	99
71) Bromoform	12.12	173	26950	13.876	ug/l #	98
73) Isopropylbenzene	12.25	105	161086	14.282	ug/l	100
74) N-amyl acetate	12.07	43	68716	13.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	53319	14.902	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	53390m	15.010	ug/l	
77) Bromobenzene	12.52	156	39063	14.083	ug/l	98
78) n-propylbenzene	12.59	91	192331	14.425	ug/l	99
79) 2-Chlorotoluene	12.67	91	114292	14.176	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	137279	14.382	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19031	13.215	ug/l	94
82) 4-Chlorotoluene	12.77	91	116844	14.155	ug/l	100
83) tert-Butylbenzene	12.99	119	115123	14.242	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	136866	14.421	ug/l	99
85) sec-Butylbenzene	13.17	105	154532	14.372	ug/l	99
86) p-Isopropyltoluene	13.28	119	140177	14.394	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	70831	13.887	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	70571	13.723	ug/l	99
89) n-Butylbenzene	13.61	91	125151	13.707	ug/l	99
90) Hexachloroethane	13.87	117	27003	14.669	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	69215	13.760	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12871	14.032	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40295	12.405	ug/l	97
94) Hexachlorobutadiene	15.00	225	24583	15.062	ug/l	98
95) Naphthalene	15.12	128	115339	11.895	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	40968	12.470	ug/l	99

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

