

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121219\
 Data File : VN059577.D
 Acq On : 12 Dec 2019 16:13
 Operator : JC/SP
 Sample : VN1212WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Manual Integrations
 APPROVED

apatel
 12/13/2019 2:17:13 PM

Quant Time: Dec 13 08:52:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	273735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	448892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	398575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179631	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	192473	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.57	113	137990	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.08	98	527872	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	187480	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.84	85	59360	18.801	ug/l	99
3) Chloromethane	2.04	50	92100	19.270	ug/l	98
4) Vinyl Chloride	2.17	62	91104	19.339	ug/l	100
5) Bromomethane	2.54	94	55883	19.476	ug/l	97
6) Chloroethane	2.68	64	54874	19.507	ug/l	99
7) Trichlorofluoromethane	3.00	101	111276	19.760	ug/l	100
8) Diethyl Ether	3.39	74	35840	18.571	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57635	19.666	ug/l	98
10) Methyl Iodide	3.93	142	68047	17.147	ug/l	99
11) Tert butyl alcohol	4.76	59	62366	98.536	ug/l	99
12) 1,1-Dichloroethene	3.72	96	53459	18.764	ug/l	94
13) Acrolein	3.58	56	38171	123.932	ug/l	97
14) Allyl chloride	4.30	41	106172	19.372	ug/l	98
15) Acrylonitrile	4.96	53	160633	96.227	ug/l	100
16) Acetone	3.79	43	151912	85.001	ug/l	99
17) Carbon Disulfide	4.03	76	161652	17.554	ug/l	99
18) Methyl Acetate	4.30	43	87161	18.576	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	193172	20.397	ug/l	98
20) Methylene Chloride	4.53	84	71079	21.916	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	59300	19.392	ug/l	93
22) Diisopropyl ether	5.93	45	207885	19.925	ug/l	98
23) Vinyl Acetate	5.87	43	882483	101.395	ug/l	100
24) 1,1-Dichloroethane	5.82	63	117462	19.829	ug/l	99
25) 2-Butanone	6.81	43	228169	94.849	ug/l	99
26) 2,2-Dichloropropane	6.80	77	107442	20.076	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	68192	19.826	ug/l	99
28) Bromochloromethane	7.17	49	47990	23.007	ug/l	97
29) Tetrahydrofuran	7.19	42	155857	93.143	ug/l	100
30) Chloroform	7.35	83	115571	19.768	ug/l	98
31) Cyclohexane	7.63	56	108485	18.819	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	102688	19.799	ug/l	100
36) 1,1-Dichloropropene	7.77	75	87561	19.012	ug/l	99
37) Ethyl Acetate	6.90	43	99163	19.434	ug/l	100
38) Carbon Tetrachloride	7.75	117	90974	20.041	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	101334	19.615	ug/l	99
40) Benzene	8.02	78	253037	19.233	ug/l	99
41) Methacrylonitrile	7.16	41	47786m	21.351	ug/l	
42) 1,2-Dichloroethane	8.10	62	98181	20.029	ug/l	99
43) Isopropyl Acetate	8.15	43	152945	19.238	ug/l	99
44) Trichloroethene	8.82	130	64705	19.467	ug/l	95
45) 1,2-Dichloropropane	9.10	63	68989	19.794	ug/l	99
46) Dibromomethane	9.19	93	42811	18.586	ug/l	97
47) Bromodichloromethane	9.39	83	90410	19.750	ug/l	98
48) Methyl methacrylate	9.19	41	66966	19.265	ug/l	99
49) 1,4-Dioxane	9.19	88	20018	450.094	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	460515	90.651	ug/l	99
52) Toluene	10.15	92	151827	19.368	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	100479	18.839	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	108829	19.936	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	60558	19.101	ug/l	99
56) Ethyl methacrylate	10.42	69	86156	17.231	ug/l	99
57) 1,3-Dichloropropane	10.70	76	107183	19.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	134785	103.777	ug/l	98
59) 2-Hexanone	10.74	43	332843	87.719	ug/l	99
60) Dibromochloromethane	10.90	129	66350	18.215	ug/l	98
61) 1,2-Dibromoethane	11.00	107	62320	18.882	ug/l	100
64) Tetrachloroethene	10.63	164	55384	19.013	ug/l	99
65) Chlorobenzene	11.43	112	159618	19.113	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	61170	19.638	ug/l	99
67) Ethyl Benzene	11.51	91	290170	19.308	ug/l	99
68) m/p-Xylenes	11.62	106	216020	38.318	ug/l	99
69) o-Xylene	11.95	106	102730	19.578	ug/l	98
70) Styrene	11.96	104	157129	18.075	ug/l	97
71) Bromoform	12.12	173	44942	18.338	ug/l #	99
73) Isopropylbenzene	12.25	105	274443	20.368	ug/l	100
74) N-amyl acetate	12.07	43	114552	19.517	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	88970	19.486	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	90624m	19.728	ug/l	
77) Bromobenzene	12.52	156	65897	19.644	ug/l	97
78) n-propylbenzene	12.59	91	323176	19.518	ug/l	98
79) 2-Chlorotoluene	12.67	91	191964	19.443	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	227814	19.716	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	31144	18.241	ug/l #	86
82) 4-Chlorotoluene	12.77	91	193339	19.151	ug/l	100
83) tert-Butylbenzene	12.99	119	192281	19.956	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	228657	20.042	ug/l	99
85) sec-Butylbenzene	13.17	105	260723	19.700	ug/l	99
86) p-Isopropyltoluene	13.29	119	233843	19.769	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	115389	18.675	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116690	19.288	ug/l	99
89) n-Butylbenzene	13.62	91	215249	19.380	ug/l	98
90) Hexachloroethane	13.87	117	44208	20.350	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	114147	19.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19396	19.836	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69559	17.345	ug/l	96
94) Hexachlorobutadiene	15.01	225	36269	17.702	ug/l	98
95) Naphthalene	15.12	128	203634	17.371	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	70114	19.494	ug/l	99

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

