

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059667.D
 Acq On : 19 Dec 2019 13:23
 Operator : JC/SP
 Sample : VN1219WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Manual Integrations
 APPROVED

apatel
 12/20/2019 9:20:23 AM

Quant Time: Dec 20 03:16:19 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	236667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	381657	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	349279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	166284	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	7.57	113	114779	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.08	98	460169	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	161227	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65530	21.428	ug/l	98
3) Chloromethane	2.04	50	71516	14.736	ug/l	99
4) Vinyl Chloride	2.17	62	89755	19.503	ug/l	97
5) Bromomethane	2.55	94	53178	19.876	ug/l	100
6) Chloroethane	2.68	64	53846	20.818	ug/l	93
7) Trichlorofluoromethane	3.00	101	82512	16.341	ug/l	98
8) Diethyl Ether	3.38	74	31039	19.673	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	48258	18.964	ug/l	99
10) Methyl Iodide	3.92	142	61203	18.168	ug/l	99
11) Tert butyl alcohol	4.74	59	58978	93.413	ug/l	99
12) 1,1-Dichloroethene	3.71	96	45498	18.329	ug/l	94
13) Acrolein	3.58	56	25765	57.288	ug/l	97
14) Allyl chloride	4.29	41	93771	18.401	ug/l	100
15) Acrylonitrile	4.95	53	148950	97.531	ug/l	99
16) Acetone	3.79	43	154857	75.738	ug/l	99
17) Carbon Disulfide	4.02	76	142440	17.263	ug/l	99
18) Methyl Acetate	4.29	43	81331	18.983	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	168115	19.181	ug/l	98
20) Methylene Chloride	4.52	84	57607	19.508	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	51466	18.598	ug/l	98
22) Diisopropyl ether	5.92	45	189035	20.122	ug/l	98
23) Vinyl Acetate	5.86	43	782863	106.185	ug/l	99
24) 1,1-Dichloroethane	5.82	63	105571	19.838	ug/l	98
25) 2-Butanone	6.80	43	218196	89.242	ug/l	99
26) 2,2-Dichloropropane	6.79	77	93405	19.312	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	60474	19.721	ug/l	99
28) Bromochloromethane	7.17	49	46839	21.218	ug/l	97
29) Tetrahydrofuran	7.18	42	142181	95.443	ug/l	99
30) Chloroform	7.35	83	103019	19.666	ug/l	97
31) Cyclohexane	7.63	56	96054	19.102	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	89488	18.949	ug/l	98
36) 1,1-Dichloropropene	7.77	75	77267	19.413	ug/l	100
37) Ethyl Acetate	6.90	43	91693	19.821	ug/l	98
38) Carbon Tetrachloride	7.75	117	79199	19.176	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	87197	19.314	ug/l	99
40) Benzene	8.02	78	226535	19.476	ug/l	99
41) Methacrylonitrile	7.14	41	29026m	15.204	ug/l	
42) 1,2-Dichloroethane	8.10	62	88720	19.917	ug/l	99
43) Isopropyl Acetate	8.14	43	140636	19.554	ug/l	99
44) Trichloroethene	8.82	130	58744	19.281	ug/l	99
45) 1,2-Dichloropropane	9.10	63	63170	20.112	ug/l	100
46) Dibromomethane	9.19	93	40521	19.692	ug/l	98
47) Bromodichloromethane	9.39	83	80313	19.576	ug/l	100
48) Methyl methacrylate	9.18	41	61125	18.732	ug/l	99
49) 1,4-Dioxane	9.18	88	19264	411.962	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	439261	102.437	ug/l	99
52) Toluene	10.14	92	138910	19.437	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	91995	19.388	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	97388	19.526	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	55303	19.720	ug/l	99
56) Ethyl methacrylate	10.42	69	79778	19.162	ug/l	99
57) 1,3-Dichloropropane	10.70	76	97607	19.990	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	151918	114.734	ug/l	100
59) 2-Hexanone	10.74	43	322861	95.532	ug/l	99
60) Dibromochloromethane	10.89	129	59772	19.528	ug/l	99
61) 1,2-Dibromoethane	11.00	107	55891	18.792	ug/l	99
64) Tetrachloroethene	10.62	164	58616	18.003	ug/l	98
65) Chlorobenzene	11.43	112	146185	19.343	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	55085	19.189	ug/l	98
67) Ethyl Benzene	11.50	91	264761	19.408	ug/l	99
68) m/p-Xylenes	11.62	106	192513	38.216	ug/l	99
69) o-Xylene	11.94	106	93459	19.498	ug/l	100
70) Styrene	11.96	104	144082	18.709	ug/l	99
71) Bromoform	12.12	173	48900	22.662	ug/l #	100
73) Isopropylbenzene	12.25	105	248903	19.781	ug/l	100
74) N-amyl acetate	12.07	43	126477	21.913	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	78781	19.737	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	82476m	20.785	ug/l	
77) Bromobenzene	12.52	156	59449	19.211	ug/l	99
78) n-propylbenzene	12.59	91	296444	19.930	ug/l	100
79) 2-Chlorotoluene	12.67	91	177054	19.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	210938	19.809	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29531	18.381	ug/l	99
82) 4-Chlorotoluene	12.77	91	180918	19.646	ug/l	99
83) tert-Butylbenzene	12.99	119	178493	19.794	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	212131	20.035	ug/l	99
85) sec-Butylbenzene	13.17	105	238553	19.887	ug/l	99
86) p-Isopropyltoluene	13.29	119	213671	19.667	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	106895	18.786	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	105786	18.439	ug/l	100
89) n-Butylbenzene	13.61	91	189544	18.609	ug/l	99
90) Hexachloroethane	13.87	117	39710	19.337	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	104618	18.643	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19166	18.250	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	60206	16.615	ug/l	100
94) Hexachlorobutadiene	15.01	225	37327	20.015	ug/l	98
95) Naphthalene	15.12	128	172888	15.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	59987	16.367	ug/l	99

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

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