

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111319\
 Data File : VN059208.D
 Acq On : 13 Nov 2019 10:06
 Operator : JC/SP
 Sample : VN1113WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2019 10:00:11 AM

Quant Time: Nov 14 08:04:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	398761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	623031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	572761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	242270	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.56	113	190272	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.08	98	716184	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	255936	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76208	18.968	ug/l	98
3) Chloromethane	2.04	50	101623	18.608	ug/l	99
4) Vinyl Chloride	2.17	62	103144	19.480	ug/l	100
5) Bromomethane	2.55	94	60636	19.900	ug/l	100
6) Chloroethane	2.68	64	61888	19.759	ug/l	96
7) Trichlorofluoromethane	3.00	101	130595	20.620	ug/l	98
8) Diethyl Ether	3.39	74	51004	19.820	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76710	20.088	ug/l	100
10) Methyl Iodide	3.93	142	89473	18.929	ug/l	99
11) Tert butyl alcohol	4.75	59	91522	97.971	ug/l	99
12) 1,1-Dichloroethene	3.71	96	73027	19.632	ug/l	99
13) Acrolein	3.58	56	33420	69.388	ug/l	92
14) Allyl chloride	4.30	41	146831	19.216	ug/l	100
15) Acrylonitrile	4.95	53	238057	102.397	ug/l	99
16) Acetone	3.79	43	275902	108.238	ug/l	100
17) Carbon Disulfide	4.03	76	201164	17.421	ug/l	98
18) Methyl Acetate	4.30	43	127887	21.137	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	262833	20.523	ug/l	100
20) Methylene Chloride	4.52	84	88087	19.836	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	78573	19.678	ug/l	95
22) Diisopropyl ether	5.92	45	296086	20.515	ug/l	93
23) Vinyl Acetate	5.86	43	1207308	107.934	ug/l	100
24) 1,1-Dichloroethane	5.82	63	165153	20.488	ug/l	100
25) 2-Butanone	6.80	43	347027	103.298	ug/l	98
26) 2,2-Dichloropropane	6.80	77	141287	20.044	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	93463	20.176	ug/l	100
28) Bromochloromethane	7.17	49	49068	20.232	ug/l	98
29) Tetrahydrofuran	7.18	42	216052	101.214	ug/l	99
30) Chloroform	7.35	83	160026	20.695	ug/l	97
31) Cyclohexane	7.63	56	143020	18.741	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	134887	20.748	ug/l	99
36) 1,1-Dichloropropene	7.77	75	117726	20.216	ug/l	99
37) Ethyl Acetate	6.90	43	133936	20.674	ug/l	99
38) Carbon Tetrachloride	7.75	117	116982	20.182	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	130162	19.258	ug/l	99
40) Benzene	8.02	78	354553	20.218	ug/l	99
41) Methacrylonitrile	7.15	41	57531	20.422	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	126025	20.953	ug/l	100
43) Isopropyl Acetate	8.14	43	206410	19.985	ug/l	100
44) Trichloroethene	8.82	130	87888	20.388	ug/l	94
45) 1,2-Dichloropropane	9.10	63	96543	20.268	ug/l	95
46) Dibromomethane	9.19	93	60823	20.491	ug/l	99
47) Bromodichloromethane	9.39	83	123220	20.789	ug/l	98
48) Methyl methacrylate	9.18	41	90457	19.580	ug/l	98
49) 1,4-Dioxane	9.18	88	32368	394.244	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	654035	111.915	ug/l	98
52) Toluene	10.14	92	214167	20.376	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	138144	20.174	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	148978	20.225	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	86898	20.428	ug/l	98
56) Ethyl methacrylate	10.42	69	125097	18.844	ug/l	100
57) 1,3-Dichloropropane	10.70	76	153583	20.977	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	247201	104.419	ug/l	100
59) 2-Hexanone	10.74	43	481020	107.237	ug/l	98
60) Dibromochloromethane	10.89	129	92514	20.570	ug/l	98
61) 1,2-Dibromoethane	11.00	107	87345	20.283	ug/l	100
64) Tetrachloroethene	10.62	164	78142	20.064	ug/l	98
65) Chlorobenzene	11.43	112	224656	20.121	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	85637	20.446	ug/l	98
67) Ethyl Benzene	11.51	91	399012	20.142	ug/l	98
68) m/p-Xylenes	11.62	106	300045	40.434	ug/l	98
69) o-Xylene	11.94	106	142550	19.878	ug/l	97
70) Styrene	11.96	104	222253	19.706	ug/l	99
71) Bromoform	12.12	173	65822	20.204	ug/l #	99
73) Isopropylbenzene	12.25	105	384382	20.485	ug/l	100
74) N-amyl acetate	12.07	43	154047	19.374	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	135920	21.270	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	125675m	21.399	ug/l	
77) Bromobenzene	12.52	156	93015	19.730	ug/l	99
78) n-propylbenzene	12.59	91	441495	20.549	ug/l	100
79) 2-Chlorotoluene	12.67	91	266242	19.976	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	325400	20.465	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43734	19.669	ug/l	97
82) 4-Chlorotoluene	12.77	91	267865	20.038	ug/l	99
83) tert-Butylbenzene	12.99	119	275087	20.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	316018	20.543	ug/l	99
85) sec-Butylbenzene	13.17	105	367184	20.562	ug/l	100
86) p-Isopropyltoluene	13.29	119	324937	20.608	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	162664	20.149	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	161850	20.038	ug/l	100
89) n-Butylbenzene	13.62	91	268250	19.438	ug/l	100
90) Hexachloroethane	13.88	117	62706	19.805	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	159863	20.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25506	20.022	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80679	18.771	ug/l	100
94) Hexachlorobutadiene	15.01	225	55626	20.315	ug/l	97
95) Naphthalene	15.13	128	210617	17.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	85890	19.299	ug/l	99

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

