

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057748.D
 Acq On : 7 Sep 2019 13:16
 Operator : JC/SP
 Sample : VN0907WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:03:19 PM

Quant Time: Sep 08 07:53:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	209678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	307570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	173483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	237248	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
35) Dibromofluoromethane	7.58	113	150746	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	569279	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	221192	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	60757	18.247	ug/l	98
3) Chloromethane	2.03	50	57165	11.816	ug/l	96
4) Vinyl Chloride	2.16	62	49725	17.244	ug/l	96
5) Bromomethane	2.54	94	29668	22.402	ug/l	94
6) Chloroethane	2.68	64	28954	17.008	ug/l	90
7) Trichlorofluoromethane	3.00	101	78809	17.029	ug/l	99
8) Diethyl Ether	3.39	74	34059	18.419	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53600	18.558	ug/l	96
10) Methyl Iodide	3.93	142	63747	22.277	ug/l	99
11) Tert butyl alcohol	4.77	59	48049	82.908	ug/l #	82
12) 1,1-Dichloroethene	3.71	96	48518	18.671	ug/l	95
13) Acrolein	3.58	56	19604	71.127	ug/l #	83
14) Allyl chloride	4.30	41	103872	17.492	ug/l	98
15) Acrylonitrile	4.96	53	141774	95.151	ug/l	96
16) Acetone	3.80	43	143009	91.105	ug/l	98
17) Carbon Disulfide	4.03	76	100129	17.007	ug/l	99
18) Methyl Acetate	4.30	43	75092	17.591	ug/l #	81
19) Methyl tert-butyl Ether	5.02	73	200950	18.420	ug/l	95
20) Methylene Chloride	4.53	84	60578	17.848	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	28595	10.457	ug/l	90
22) Diisopropyl ether	5.93	45	228149	18.162	ug/l	99
23) Vinyl Acetate	5.87	43	938918	92.344	ug/l	99
24) 1,1-Dichloroethane	5.83	63	118480	18.395	ug/l	99
25) 2-Butanone	6.82	43	215087	95.681	ug/l	94
26) 2,2-Dichloropropane	6.81	77	93573	17.414	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	65399	19.054	ug/l	96
28) Bromochloromethane	7.18	49	63613	18.876	ug/l	96
29) Tetrahydrofuran	7.19	42	136630	94.247	ug/l	98
30) Chloroform	7.36	83	123849	18.453	ug/l	98
31) Cyclohexane	7.64	56	100221	17.505	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	101607	18.175	ug/l	99
36) 1,1-Dichloropropene	7.78	75	84853	19.278	ug/l	97
37) Ethyl Acetate	6.91	43	83705	19.156	ug/l	99
38) Carbon Tetrachloride	7.76	117	83872	19.901	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	90137	19.361	ug/l	98
40) Benzene	8.03	78	244632	19.650	ug/l	97
41) Methacrylonitrile	7.16	41	37112m	17.375	ug/l	
42) 1,2-Dichloroethane	8.11	62	109511	18.766	ug/l	98
43) Isopropyl Acetate	8.15	43	156560	18.666	ug/l	98
44) Trichloroethene	8.83	130	59418	21.236	ug/l	97
45) 1,2-Dichloropropane	9.11	63	67930	19.510	ug/l	96
46) Dibromomethane	9.20	93	45100	20.193	ug/l	92
47) Bromodichloromethane	9.40	83	91480	19.273	ug/l	99
48) Methyl methacrylate	9.19	41	78829	18.275	ug/l	99
49) 1,4-Dioxane	9.19	88	20073	399.948	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	464515	99.725	ug/l	99
52) Toluene	10.15	92	148565	19.689	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	86999	18.269	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	94501	18.368	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	59574	19.619	ug/l	93
56) Ethyl methacrylate	10.43	69	96318	19.873	ug/l	95
57) 1,3-Dichloropropane	10.71	76	104355	19.131	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	236403	96.140	ug/l	99
59) 2-Hexanone	10.75	43	326067	99.272	ug/l	99
60) Dibromochloromethane	10.90	129	57640	18.804	ug/l	98
61) 1,2-Dibromoethane	11.00	107	59419	20.383	ug/l	99
64) Tetrachloroethene	10.63	164	49835	20.783	ug/l	94
65) Chlorobenzene	11.43	112	160998	20.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	56546	20.255	ug/l	98
67) Ethyl Benzene	11.51	91	302411	19.536	ug/l	99
68) m/p-Xylenes	11.62	106	212083	39.777	ug/l	96
69) o-Xylene	11.95	106	105136	19.914	ug/l	96
70) Styrene	11.96	104	179594	19.660	ug/l	98
71) Bromoform	12.13	173	35067	18.962	ug/l #	100
73) Isopropylbenzene	12.25	105	291411	19.000	ug/l	97
74) N-amyl acetate	12.07	43	136205	17.777	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	89377	19.433	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	74507m	18.702	ug/l	
77) Bromobenzene	12.53	156	69389	20.825	ug/l	90
78) n-propylbenzene	12.59	91	342332	18.787	ug/l	97
79) 2-Chlorotoluene	12.68	91	210537	18.979	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	254910	19.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20776	16.219	ug/l	99
82) 4-Chlorotoluene	12.78	91	212679	18.615	ug/l	98
83) tert-Butylbenzene	13.00	119	214611	19.539	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	248091	19.223	ug/l	100
85) sec-Butylbenzene	13.17	105	282003	18.636	ug/l	99
86) p-Isopropyltoluene	13.29	119	251454	19.608	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	121045	19.432	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	123870	19.878	ug/l	99
89) n-Butylbenzene	13.62	91	231877	18.283	ug/l	98
90) Hexachloroethane	13.88	117	36790	18.309	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	122869	20.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16413	18.115	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	74602	20.333	ug/l	100
94) Hexachlorobutadiene	15.01	225	40280	22.524	ug/l	99
95) Naphthalene	15.13	128	200762	18.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	73869	21.004	ug/l	98

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

