

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054815.D
 Acq On : 30 Mar 2019 20:52
 Operator : JC/SP
 Sample : VN0330WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:26 PM

Quant Time: Mar 30 23:58:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	411119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	716702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	597341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	296835	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	7.59	113	228723	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.09	98	816209	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
62) 4-Bromofluorobenzene	12.40	95	266253	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	84433	20.304	ug/l	98
3) Chloromethane	2.07	50	114293	19.877	ug/l	94
4) Vinyl Chloride	2.19	62	107078	20.737	ug/l	98
5) Bromomethane	2.57	94	43139	14.332	ug/l	97
6) Chloroethane	2.71	64	60797	21.086	ug/l	97
7) Trichlorofluoromethane	3.02	101	137964	21.733	ug/l	97
8) Diethyl Ether	3.41	74	47313	23.146	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68716	20.562	ug/l	93
10) Methyl Iodide	3.94	142	59295	12.961	ug/l #	85
11) Tert butyl alcohol	4.83	59	45020	155.914	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	68466	21.186	ug/l #	69
13) Acrolein	3.61	56	37100	143.723	ug/l	95
14) Allyl chloride	4.31	41	164833	20.708	ug/l #	92
15) Acrylonitrile	5.00	53	205283	127.906	ug/l	100
16) Acetone	3.82	43	148814	112.604	ug/l #	80
17) Carbon Disulfide	4.04	76	174314	16.631	ug/l	99
18) Methyl Acetate	4.33	43	97552	27.934	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	274193	24.256	ug/l	95
20) Methylene Chloride	4.55	84	100205	21.495	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	91452	21.545	ug/l	88
22) Diisopropyl ether	5.96	45	357424	22.703	ug/l #	93
23) Vinyl Acetate	5.91	43	1320435	120.522	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	190721	22.710	ug/l	97
25) 2-Butanone	6.85	43	263712	134.992	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	93264	15.845	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	105653	22.033	ug/l	89
28) Bromochloromethane	7.20	49	101291	24.120	ug/l #	71
29) Tetrahydrofuran	7.23	42	178501	131.558	ug/l #	86
30) Chloroform	7.37	83	184419	23.029	ug/l	97
31) Cyclohexane	7.65	56	174906	21.690	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	148852	22.430	ug/l	94
36) 1,1-Dichloropropene	7.79	75	130896	19.600	ug/l	96
37) Ethyl Acetate	6.95	43	113333	23.142	ug/l	97
38) Carbon Tetrachloride	7.77	117	125035	19.276	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	137675	18.752	ug/l #	88
40) Benzene	8.04	78	405377	21.214	ug/l	98
41) Methacrylonitrile	7.18	41	66701	24.245	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	146917	21.532	ug/l	97
43) Isopropyl Acetate	8.17	43	192200	24.153	ug/l #	95
44) Trichloroethene	8.84	130	100695	20.299	ug/l	92
45) 1,2-Dichloropropane	9.12	63	113342	20.801	ug/l	96
46) Dibromomethane	9.21	93	66804	21.795	ug/l	89
47) Bromodichloromethane	9.40	83	136386	21.410	ug/l	98
48) Methyl methacrylate	9.20	41	95126	22.053	ug/l	88
49) 1,4-Dioxane	9.21	88	21515	502.685	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	553895	123.806	ug/l	93
52) Toluene	10.16	92	231201	20.333	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	119090	19.874	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	145966	20.392	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	90682	21.448	ug/l	95
56) Ethyl methacrylate	10.43	69	120375	21.704	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	156987	21.597	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	225892	100.988	ug/l #	88
59) 2-Hexanone	10.75	43	338119	118.058	ug/l	90
60) Dibromochloromethane	10.90	129	91259	21.308	ug/l	98
61) 1,2-Dibromoethane	11.01	107	87425	21.637	ug/l	100
64) Tetrachloroethene	10.63	164	95347	20.801	ug/l	95
65) Chlorobenzene	11.44	112	236586	20.229	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	93353	21.326	ug/l	97
67) Ethyl Benzene	11.51	91	428667	20.311	ug/l	98
68) m/p-Xylenes	11.62	106	315056	40.340	ug/l	94
69) o-Xylene	11.95	106	155121	20.255	ug/l	96
70) Styrene	11.97	104	252223	20.597	ug/l	96
71) Bromoform	12.13	173	54645	21.308	ug/l #	100
73) Isopropylbenzene	12.25	105	405874	20.343	ug/l	98
74) N-amyl acetate	12.07	43	140446	22.595	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	112199	24.642	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	94323m	22.243	ug/l	
77) Bromobenzene	12.53	156	96675	20.077	ug/l	82
78) n-propylbenzene	12.59	91	440266	20.077	ug/l	96
79) 2-Chlorotoluene	12.68	91	271859	20.039	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	330789	20.206	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20530	18.832	ug/l #	77
82) 4-Chlorotoluene	12.77	91	264642	20.083	ug/l	96
83) tert-Butylbenzene	12.99	119	280440	20.894	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	321200	20.594	ug/l	96
85) sec-Butylbenzene	13.17	105	353581	19.882	ug/l	98
86) p-Isopropyltoluene	13.29	119	302282	19.272	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	163616	20.295	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	152635	19.304	ug/l	97
89) n-Butylbenzene	13.62	91	229556	17.938	ug/l	97
90) Hexachloroethane	13.88	117	51005	19.153	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	164600	20.231	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17862	26.189	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68140	17.372	ug/l	98
94) Hexachlorobutadiene	15.01	225	44297	17.711	ug/l	97
95) Naphthalene	15.13	128	173241	19.692	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	73251	18.491	ug/l	99

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

