

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054531.D
 Acq On : 22 Mar 2019 1:20
 Operator : JC/SP
 Sample : VN0321WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:16:46 PM

Quant Time: Mar 22 10:36:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	445311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	773007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	644271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	332472	60.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.04%	
35) Dibromofluoromethane	7.59	113	264450	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.09	98	957156	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.40	95	310250	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	92817	21.803	ug/l	97
3) Chloromethane	2.06	50	130026	22.449	ug/l	98
4) Vinyl Chloride	2.19	62	127714	21.962	ug/l	100
5) Bromomethane	2.57	94	72989	19.411	ug/l	96
6) Chloroethane	2.71	64	72312	20.732	ug/l	98
7) Trichlorofluoromethane	3.02	101	154847	21.926	ug/l	100
8) Diethyl Ether	3.41	74	56117	20.661	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	78653	18.950	ug/l	95
10) Methyl Iodide	3.94	142	109097	17.869	ug/l	93
11) Tert butyl alcohol	4.83	59	43640	130.136	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	86210	20.071	ug/l #	78
13) Acrolein	3.61	56	45598	98.532	ug/l	100
14) Allyl chloride	4.32	41	174797	21.612	ug/l #	94
15) Acrylonitrile	5.00	53	214605	128.509	ug/l	99
16) Acetone	3.82	43	160094	96.136	ug/l #	85
17) Carbon Disulfide	4.04	76	226014	19.639	ug/l	99
18) Methyl Acetate	4.33	43	98161	26.446	ug/l #	70
19) Methyl tert-butyl Ether	5.05	73	296305	23.638	ug/l	95
20) Methylene Chloride	4.54	84	108428	22.088	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	102349	23.336	ug/l	88
22) Diisopropyl ether	5.96	45	376654	23.609	ug/l #	94
23) Vinyl Acetate	5.90	43	1368732	121.476	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	204633	23.822	ug/l	97
25) 2-Butanone	6.85	43	258403	121.132	ug/l	92
26) 2,2-Dichloropropane	6.82	77	98510	16.088	ug/l	77
27) cis-1,2-Dichloroethene	6.83	96	119160	22.778	ug/l	93
28) Bromochloromethane	7.19	49	96976	22.936	ug/l #	75
29) Tetrahydrofuran	7.22	42	186834	134.964	ug/l #	85
30) Chloroform	7.37	83	194072	23.151	ug/l	96
31) Cyclohexane	7.65	56	191682	22.257	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	159566	23.072	ug/l	96
36) 1,1-Dichloropropene	7.79	75	144905	20.049	ug/l	96
37) Ethyl Acetate	6.94	43	121474	23.630	ug/l	95
38) Carbon Tetrachloride	7.77	117	139681	19.887	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	156194	18.892	ug/l	91
40) Benzene	8.04	78	430205	20.815	ug/l	99
41) Methacrylonitrile	7.18	41	66306	21.150	ug/l	92
42) 1,2-Dichloroethane	8.13	62	155846	20.705	ug/l	98
43) Isopropyl Acetate	8.17	43	196801	22.669	ug/l #	95
44) Trichloroethene	8.83	130	114173	19.870	ug/l	98
45) 1,2-Dichloropropane	9.12	63	122401	22.055	ug/l	99
46) Dibromomethane	9.21	93	72317	21.842	ug/l	89
47) Bromodichloromethane	9.40	83	141562	20.602	ug/l	95
48) Methyl methacrylate	9.20	41	104069	22.086	ug/l	87
49) 1,4-Dioxane	9.21	88	24045	456.447	ug/l	88
51) 4-Methyl-2-Pentanone	9.99	43	563334	117.082	ug/l	93
52) Toluene	10.16	92	257310	20.242	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	122841	18.423	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	155426	19.728	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	97595	21.358	ug/l	98
56) Ethyl methacrylate	10.43	69	131115	21.378	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	170199	21.427	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	264519	104.741	ug/l	91
59) 2-Hexanone	10.75	43	354082	112.666	ug/l	92
60) Dibromochloromethane	10.90	129	100454	20.660	ug/l	98
61) 1,2-Dibromoethane	11.01	107	93047	20.597	ug/l	97
64) Tetrachloroethene	10.63	164	107509	20.118	ug/l	95
65) Chlorobenzene	11.43	112	267601	20.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	103126	21.926	ug/l	99
67) Ethyl Benzene	11.51	91	467845	20.212	ug/l	99
68) m/p-Xylenes	11.62	106	346792	39.555	ug/l	94
69) o-Xylene	11.95	106	172543	20.152	ug/l	96
70) Styrene	11.96	104	279037	20.068	ug/l	97
71) Bromoform	12.13	173	60026	19.910	ug/l #	98
73) Isopropylbenzene	12.25	105	447499	20.852	ug/l	99
74) N-amyl acetate	12.07	43	146151	23.684	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	119441	24.381	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	107972m	25.549	ug/l	
77) Bromobenzene	12.53	156	112431	21.123	ug/l	85
78) n-propylbenzene	12.59	91	488509	20.992	ug/l	96
79) 2-Chlorotoluene	12.67	91	302702	20.859	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	364474	20.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19992	18.445	ug/l #	77
82) 4-Chlorotoluene	12.77	91	290146	20.627	ug/l	97
83) tert-Butylbenzene	12.99	119	325206	21.241	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	362936	21.029	ug/l	98
85) sec-Butylbenzene	13.17	105	402398	21.084	ug/l	97
86) p-Isopropyltoluene	13.29	119	350655	20.536	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	179736	20.377	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	171725	20.010	ug/l	98
89) n-Butylbenzene	13.62	91	259579	19.442	ug/l	98
90) Hexachloroethane	13.87	117	54919	20.721	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	178930	20.944	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16859	23.462	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	82739	19.427	ug/l	100
94) Hexachlorobutadiene	15.01	225	53858	21.074	ug/l	97
95) Naphthalene	15.13	128	203243	21.395	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	87662	20.681	ug/l	98

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

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