

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054711.D
 Acq On : 27 Mar 2019 10:27
 Operator : JC/SP
 Sample : VN0327WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 12:44:39 PM

Quant Time: Mar 28 06:43:29 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	7.67	168	399714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	641543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	551787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236010	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	263564	53.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.02%	
35) Dibromofluoromethane	7.59	113	208647	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
50) Toluene-d8	10.09	98	761133	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	256062	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	80411	21.044	ug/l	100
3) Chloromethane	2.06	50	105165	20.228	ug/l	98
4) Vinyl Chloride	2.19	62	95920	18.376	ug/l	98
5) Bromomethane	2.57	94	54981	16.289	ug/l	97
6) Chloroethane	2.71	64	53001	16.929	ug/l	99
7) Trichlorofluoromethane	3.02	101	123623	19.502	ug/l	99
8) Diethyl Ether	3.41	74	41045	16.836	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70900	19.031	ug/l	92
10) Methyl Iodide	3.94	142	87176	15.908	ug/l #	88
11) Tert butyl alcohol	4.82	59	28353	94.195	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	63188	16.390	ug/l #	72
13) Acrolein	3.61	56	41058	98.842	ug/l	95
14) Allyl chloride	4.32	41	148995	20.523	ug/l #	93
15) Acrylonitrile	5.00	53	157546	105.103	ug/l	100
16) Acetone	3.82	43	154162	103.134	ug/l #	82
17) Carbon Disulfide	4.04	76	172968	16.744	ug/l	98
18) Methyl Acetate	4.33	43	72541	21.773	ug/l	90
19) Methyl tert-butyl Ether	5.06	73	227400	20.210	ug/l	94
20) Methylene Chloride	4.55	84	88647	20.118	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	79543	20.205	ug/l	87
22) Diisopropyl ether	5.96	45	310556	21.687	ug/l #	94
23) Vinyl Acetate	5.90	43	1067582	105.557	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	165820	21.506	ug/l	97
25) 2-Butanone	6.85	43	206777	107.989	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	117236	21.330	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	95659	20.372	ug/l	88
28) Bromochloromethane	7.19	49	82794	21.815	ug/l #	71
29) Tetrahydrofuran	7.22	42	130696	105.181	ug/l #	84
30) Chloroform	7.37	83	160126	21.280	ug/l	99
31) Cyclohexane	7.65	56	156059	20.009	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	130926	21.090	ug/l	95
36) 1,1-Dichloropropene	7.79	75	115496	19.254	ug/l	97
37) Ethyl Acetate	6.94	43	85045	19.934	ug/l	98
38) Carbon Tetrachloride	7.77	117	113913	19.542	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	132516	19.313	ug/l #	87
40) Benzene	8.04	78	356278	20.771	ug/l	99
41) Methacrylonitrile	7.18	41	53946	20.734	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	132194	21.162	ug/l	97
43) Isopropyl Acetate	8.17	43	145779	20.232	ug/l #	94
44) Trichloroethene	8.83	130	90585	18.995	ug/l	94
45) 1,2-Dichloropropane	9.12	63	100850	21.896	ug/l	100
46) Dibromomethane	9.21	93	57020	20.751	ug/l	88
47) Bromodichloromethane	9.40	83	120506	21.132	ug/l	96
48) Methyl methacrylate	9.20	41	75419	19.285	ug/l #	86
49) 1,4-Dioxane	9.21	88	16151	369.422	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	415431	104.036	ug/l	93
52) Toluene	10.16	92	214595	20.341	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	104513	18.830	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	135786	20.767	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	77803	20.516	ug/l	95
56) Ethyl methacrylate	10.43	69	96564	18.971	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	134959	20.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	174303	83.161	ug/l #	88
59) 2-Hexanone	10.75	43	263267	100.935	ug/l	90
60) Dibromochloromethane	10.90	129	81371	20.165	ug/l	98
61) 1,2-Dibromoethane	11.00	107	72850	19.431	ug/l	99
64) Tetrachloroethene	10.63	164	88818	19.406	ug/l	95
65) Chlorobenzene	11.43	112	226448	20.178	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	84213	20.906	ug/l	99
67) Ethyl Benzene	11.51	91	398046	20.079	ug/l	97
68) m/p-Xylenes	11.62	106	296105	39.434	ug/l	95
69) o-Xylene	11.95	106	142601	19.446	ug/l	94
70) Styrene	11.96	104	237601	19.952	ug/l	97
71) Bromoform	12.13	173	47061	18.414	ug/l #	100
73) Isopropylbenzene	12.25	105	383538	20.167	ug/l	98
74) N-amyl acetate	12.07	43	112616	20.594	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	90868	20.931	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	78194m	20.879	ug/l	
77) Bromobenzene	12.53	156	91256	19.347	ug/l	82
78) n-propylbenzene	12.59	91	426216	20.667	ug/l	95
79) 2-Chlorotoluene	12.67	91	260024	20.219	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	317475	20.368	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18665	19.263	ug/l #	70
82) 4-Chlorotoluene	12.77	91	249523	20.017	ug/l	98
83) tert-Butylbenzene	12.99	119	272062	20.052	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	309238	20.219	ug/l	98
85) sec-Butylbenzene	13.17	105	344952	20.395	ug/l	98
86) p-Isopropyltoluene	13.29	119	304380	20.116	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	156081	19.968	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	147640	19.413	ug/l	95
89) n-Butylbenzene	13.61	91	237461	20.070	ug/l	97
90) Hexachloroethane	13.88	117	47941	20.411	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	155091	20.485	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12496	19.624	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67141	17.790	ug/l	99
94) Hexachlorobutadiene	15.01	225	50435	22.417	ug/l	97
95) Naphthalene	15.13	128	147971	17.577	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69677	18.549	ug/l	98

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

