

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054601.D
 Acq On : 23 Mar 2019 13:42
 Operator : JC/SP
 Sample : VN0323WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:23:33 AM

Quant Time: Mar 25 04:04:30 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	448840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	744500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	267401	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	313028	56.07	ug/l	0.00
Spiked Amount			Recovery	=	112.14%	
35) Dibromofluoromethane	7.59	113	247172	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	10.09	98	899665	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	301714	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	92159	21.478	ug/l	97
3) Chloromethane	2.06	50	126014	21.585	ug/l	100
4) Vinyl Chloride	2.19	62	122632	20.922	ug/l	98
5) Bromomethane	2.57	94	71354	18.827	ug/l	97
6) Chloroethane	2.71	64	66533	18.925	ug/l	95
7) Trichlorofluoromethane	3.02	101	147759	20.758	ug/l	99
8) Diethyl Ether	3.41	74	52305	19.106	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77265	18.470	ug/l	93
10) Methyl Iodide	3.94	142	102447	16.648	ug/l	91
11) Tert butyl alcohol	4.82	59	41617	123.128	ug/l	95
12) 1,1-Dichloroethene	3.73	96	77741	17.957	ug/l #	81
13) Acrolein	3.61	56	45825	98.244	ug/l	95
14) Allyl chloride	4.32	41	177856	21.817	ug/l #	92
15) Acrylonitrile	4.99	53	201131	119.493	ug/l	98
16) Acetone	3.82	43	169788	101.155	ug/l #	81
17) Carbon Disulfide	4.04	76	206199	17.776	ug/l	98
18) Methyl Acetate	4.33	43	93288	24.935	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	283992	22.477	ug/l	97
20) Methylene Chloride	4.54	84	104618	21.144	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	95404	21.582	ug/l #	78
22) Diisopropyl ether	5.96	45	378112	23.514	ug/l #	94
23) Vinyl Acetate	5.90	43	1329674	117.081	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	194533	22.469	ug/l	98
25) 2-Butanone	6.85	43	261473	121.608	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	130120	21.083	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	109904	20.844	ug/l	85
28) Bromochloromethane	7.20	49	98442	23.099	ug/l #	70
29) Tetrahydrofuran	7.22	42	174273	124.900	ug/l #	85
30) Chloroform	7.37	83	187759	22.221	ug/l	99
31) Cyclohexane	7.65	56	187039	21.486	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	153381	22.003	ug/l	95
36) 1,1-Dichloropropene	7.79	75	139838	20.088	ug/l	96
37) Ethyl Acetate	6.94	43	116267	23.484	ug/l #	94
38) Carbon Tetrachloride	7.77	117	130968	19.361	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	149557	18.782	ug/l	88
40) Benzene	8.04	78	414793	20.838	ug/l	100
41) Methacrylonitrile	7.18	41	66040	21.872	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	156531	21.593	ug/l	97
43) Isopropyl Acetate	8.17	43	191582	22.912	ug/l #	94
44) Trichloroethene	8.83	130	108573	19.619	ug/l	90
45) 1,2-Dichloropropane	9.12	63	117801	22.039	ug/l	100
46) Dibromomethane	9.21	93	66879	20.973	ug/l	92
47) Bromodichloromethane	9.40	83	136381	20.608	ug/l	98
48) Methyl methacrylate	9.20	41	96557	21.276	ug/l	88
49) 1,4-Dioxane	9.21	88	22689	447.198	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	538959	116.306	ug/l	94
52) Toluene	10.16	92	246155	20.106	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121903	18.915	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	155750	20.526	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	94369	21.443	ug/l	96
56) Ethyl methacrylate	10.43	69	124884	21.142	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	167506	21.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	236218	97.116	ug/l	90
59) 2-Hexanone	10.75	43	341799	112.922	ug/l	91
60) Dibromochloromethane	10.90	129	93039	19.868	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91860	21.113	ug/l	98
64) Tetrachloroethene	10.63	164	106220	20.052	ug/l	96
65) Chlorobenzene	11.43	112	263741	20.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96295	20.655	ug/l	99
67) Ethyl Benzene	11.51	91	467857	20.391	ug/l	97
68) m/p-Xylenes	11.62	106	345588	39.766	ug/l	96
69) o-Xylene	11.95	106	172642	20.341	ug/l	98
70) Styrene	11.96	104	277751	20.152	ug/l	96
71) Bromoform	12.13	173	54444	18.407	ug/l #	96
73) Isopropylbenzene	12.25	105	453687	21.055	ug/l	97
74) N-amyl acetate	12.07	43	144306	23.291	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	112922	22.957	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	98489m	23.211	ug/l	
77) Bromobenzene	12.53	156	111109	20.791	ug/l	86
78) n-propylbenzene	12.59	91	484148	20.721	ug/l	97
79) 2-Chlorotoluene	12.67	91	305586	20.973	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	367051	20.784	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	21058	19.195	ug/l #	73
82) 4-Chlorotoluene	12.77	91	292746	20.728	ug/l	95
83) tert-Butylbenzene	12.99	119	316083	20.562	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	357934	20.656	ug/l	97
85) sec-Butylbenzene	13.17	105	389665	20.334	ug/l	97
86) p-Isopropyltoluene	13.29	119	344059	20.069	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	177590	20.053	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	172817	20.056	ug/l	97
89) n-Butylbenzene	13.61	91	259192	19.335	ug/l	98
90) Hexachloroethane	13.87	117	49900	18.751	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	179022	20.870	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16355	22.669	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79021	18.479	ug/l	100
94) Hexachlorobutadiene	15.01	225	49025	18.862	ug/l	98
95) Naphthalene	15.13	128	187107	19.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	82597	19.407	ug/l	98

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

