

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055051.D
 Acq On : 15 Apr 2019 19:08
 Operator : JC/SP
 Sample : VN0415WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:06:19 AM

Quant Time: Apr 16 06:50:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	652043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	561485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229807	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	261580	50.89	ug/l	0.00
Spiked Amount						
			Recovery	=	101.78%	
35) Dibromofluoromethane	7.59	113	210861	48.39	ug/l	0.00
Spiked Amount						
			Recovery	=	96.78%	
50) Toluene-d8	10.09	98	773196	49.58	ug/l	0.00
Spiked Amount						
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	254396	50.17	ug/l	0.00
Spiked Amount						
			Recovery	=	100.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	87674	19.950	ug/l	98
3) Chloromethane	2.06	50	119308	20.814	ug/l	96
4) Vinyl Chloride	2.19	62	97018	20.137	ug/l	98
5) Bromomethane	2.55	94	55271	20.278	ug/l	94
6) Chloroethane	2.70	64	53087	20.432	ug/l	92
7) Trichlorofluoromethane	3.02	101	122202	20.281	ug/l	99
8) Diethyl Ether	3.41	74	39545	20.560	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62665	19.873	ug/l	98
10) Methyl Iodide	3.94	142	93729	19.154	ug/l	99
11) Tert butyl alcohol	4.82	59	27717	98.371	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	61316	19.977	ug/l	99
13) Acrolein	3.60	56	31948	91.733	ug/l	96
14) Allyl chloride	4.32	41	152043	20.237	ug/l	99
15) Acrylonitrile	4.99	53	174384	103.445	ug/l	99
16) Acetone	3.82	43	117299	84.075	ug/l	100
17) Carbon Disulfide	4.04	76	185197	18.692	ug/l	100
18) Methyl Acetate	4.33	43	86979	21.380	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	230090	20.956	ug/l	98
20) Methylene Chloride	4.54	84	96479	19.671	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	84206	20.284	ug/l	95
22) Diisopropyl ether	5.96	45	326700	21.153	ug/l	96
23) Vinyl Acetate	5.90	43	1086222	106.402	ug/l	100
24) 1,1-Dichloroethane	5.84	63	170419	20.721	ug/l	99
25) 2-Butanone	6.85	43	206297	99.073	ug/l	97
26) 2,2-Dichloropropane	6.82	77	101532	19.559	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	97583	20.778	ug/l	100
28) Bromochloromethane	7.19	49	82835	20.893	ug/l	98
29) Tetrahydrofuran	7.22	42	141533	103.649	ug/l	99
30) Chloroform	7.37	83	163348	20.447	ug/l	99
31) Cyclohexane	7.65	56	155898	20.708	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	128790	20.348	ug/l	99
36) 1,1-Dichloropropene	7.79	75	117401	19.100	ug/l	100
37) Ethyl Acetate	6.94	43	91412	18.267	ug/l	99
38) Carbon Tetrachloride	7.77	117	106240	18.167	ug/l	99

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39) Methylcyclohexane	9.08	83	125589	18.855	ug/l	99
40) Benzene	8.04	78	370608	20.005	ug/l	99
41) Methacrylonitrile	7.18	41	49131	17.687	ug/l	96
42) 1,2-Dichloroethane	8.12	62	128017	19.903	ug/l	99
43) Isopropyl Acetate	8.17	43	151587	19.659	ug/l	99
44) Trichloroethene	8.83	130	94181	20.297	ug/l	98
45) 1,2-Dichloropropane	9.12	63	104499	20.226	ug/l	99
46) Dibromomethane	9.21	93	59636	20.279	ug/l	99
47) Bromodichloromethane	9.40	83	118817	19.597	ug/l	99
48) Methyl methacrylate	9.20	41	74421	19.472	ug/l	98
49) 1,4-Dioxane	9.21	88	14023	391.635	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	440992	98.996	ug/l	99
52) Toluene	10.16	92	215618	20.322	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	102205	19.290	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	129965	19.763	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	79418	19.428	ug/l	98
56) Ethyl methacrylate	10.43	69	98891	20.157	ug/l	99
57) 1,3-Dichloropropane	10.71	76	141441	20.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	193456	96.659	ug/l	99
59) 2-Hexanone	10.75	43	273481	97.743	ug/l	97
60) Dibromochloromethane	10.90	129	78066	19.557	ug/l	99
61) 1,2-Dibromoethane	11.00	107	75750	20.133	ug/l	99
64) Tetrachloroethene	10.63	164	88355	19.352	ug/l	99
65) Chlorobenzene	11.43	112	224867	19.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	81077	19.504	ug/l	99
67) Ethyl Benzene	11.51	91	402446	19.939	ug/l	99
68) m/p-Xylenes	11.62	106	296549	40.574	ug/l	100
69) o-Xylene	11.95	106	145248	20.518	ug/l	100
70) Styrene	11.96	104	238214	20.789	ug/l	99
71) Bromoform	12.13	173	47119	19.776	ug/l #	99
73) Isopropylbenzene	12.25	105	384400	18.850	ug/l	99
74) N-amyl acetate	12.07	43	111778	19.472	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	98966	18.137	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	86293m	20.882	ug/l	
77) Bromobenzene	12.53	156	94723	18.632	ug/l	99
78) n-propylbenzene	12.59	91	424736	19.278	ug/l	99
79) 2-Chlorotoluene	12.67	91	262289	19.086	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	313888	19.074	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19316	18.691	ug/l	97
82) 4-Chlorotoluene	12.77	91	247250	19.284	ug/l	98
83) tert-Butylbenzene	12.99	119	265846	19.128	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	303589	19.466	ug/l	99
85) sec-Butylbenzene	13.17	105	339457	19.168	ug/l	99
86) p-Isopropyltoluene	13.29	119	295422	19.444	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	149384	19.332	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	145321	19.721	ug/l	99
89) n-Butylbenzene	13.61	91	215888	19.141	ug/l	99
90) Hexachloroethane	13.87	117	44996	18.201	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	153025	19.682	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11743	17.476	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	57143	18.023	ug/l	97
94) Hexachlorobutadiene	15.01	225	47409	19.742	ug/l	97
95) Naphthalene	15.13	128	124658	17.268	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	59466	19.826	ug/l	98

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

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