

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056055.D
 Acq On : 6 Jun 2019 19:07
 Operator : JC/SP
 Sample : K3203-13MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:37:00 AM

Quant Time: Jun 07 06:33:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	442738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	401025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179187	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	155989	54.15	ug/l	0.00
Spiked Amount						
			Recovery	=	108.30%	
35) Dibromofluoromethane	7.59	113	140365	51.67	ug/l	0.00
Spiked Amount						
			Recovery	=	103.34%	
50) Toluene-d8	10.09	98	534179	51.11	ug/l	0.00
Spiked Amount						
			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	180886	50.89	ug/l	0.00
Spiked Amount						
			Recovery	=	101.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	159654	50.089	ug/l	99
3) Chloromethane	2.06	50	166082	52.808	ug/l	99
4) Vinyl Chloride	2.18	62	177059	56.125	ug/l	100
5) Bromomethane	2.54	94	94734	47.538	ug/l	99
6) Chloroethane	2.68	64	97150	53.113	ug/l	100
7) Trichlorofluoromethane	3.00	101	207116	51.427	ug/l	99
8) Diethyl Ether	3.40	74	85499	51.624	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	127185	51.988	ug/l	99
10) Methyl Iodide	3.94	142	183788	47.273	ug/l	99
11) Tert butyl alcohol	4.82	59	122620	244.599	ug/l	98
12) 1,1-Dichloroethene	3.72	96	128309	52.681	ug/l	96
13) Acrolein	3.60	56	33656	232.782	ug/l	94
14) Allyl chloride	4.31	41	189426	49.254	ug/l	98
15) Acrylonitrile	4.99	53	360945	295.776	ug/l	100
16) Acetone	3.82	43	281399	204.243	ug/l	99
17) Carbon Disulfide	4.04	76	282186	48.389	ug/l	100
18) Methyl Acetate	4.33	43	158434	58.642	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	419533	54.039	ug/l	99
20) Methylene Chloride	4.54	84	148098	52.174	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	137906	52.845	ug/l	98
22) Diisopropyl ether	5.96	45	428195	53.860	ug/l	97
23) Vinyl Acetate	5.90	43	1780605	284.409	ug/l	100
24) 1,1-Dichloroethane	5.84	63	245538	53.542	ug/l	99
25) 2-Butanone	6.84	43	470211	270.118	ug/l	98
26) 2,2-Dichloropropane	6.82	77	140269	39.198	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	166573	54.302	ug/l	95
28) Bromochloromethane	7.19	49	120537	55.581	ug/l	99
29) Tetrahydrofuran	7.22	42	318176	295.693	ug/l	99
30) Chloroform	7.37	83	247628	53.677	ug/l	100
31) Cyclohexane	7.65	56	226151	49.474	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	202493	52.563	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182096	47.833	ug/l	99
37) Ethyl Acetate	6.93	43	192908	56.951	ug/l	99
38) Carbon Tetrachloride	7.77	117	168101	47.895	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	223768	47.185	ug/l	99
40) Benzene	8.04	78	621462	53.748	ug/l	100
41) Methacrylonitrile	7.17	41	88323	56.673	ug/l	96
42) 1,2-Dichloroethane	8.12	62	185068	49.759	ug/l	100
43) Isopropyl Acetate	8.17	43	293978	53.558	ug/l #	91
44) Trichloroethene	8.83	130	162380	48.873	ug/l	99
45) 1,2-Dichloropropane	9.12	63	151959	51.309	ug/l	98
46) Dibromomethane	9.21	93	99027	51.132	ug/l	99
47) Bromodichloromethane	9.40	83	179707	51.197	ug/l	99
48) Methyl methacrylate	9.20	41	145694	54.255	ug/l	97
49) 1,4-Dioxane	9.20	88	60105	1036.771	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	942159	274.482	ug/l	99
52) Toluene	10.16	92	365081	50.742	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	180093	44.061	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	214201	50.768	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	147149	51.631	ug/l	99
56) Ethyl methacrylate	10.43	69	222813	53.588	ug/l	99
57) 1,3-Dichloropropane	10.71	76	243178	52.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	389621	237.157	ug/l	99
59) 2-Hexanone	10.75	43	650616	261.523	ug/l	99
60) Dibromochloromethane	10.90	129	146173	46.675	ug/l	100
61) 1,2-Dibromoethane	11.00	107	153657	52.738	ug/l	97
64) Tetrachloroethene	10.63	164	160078	46.114	ug/l	99
65) Chlorobenzene	11.43	112	787186	98.630	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	139136	50.488	ug/l	99
67) Ethyl Benzene	11.51	91	677023	48.784	ug/l	99
68) m/p-Xylenes	11.62	106	516386	97.403	ug/l	99
69) o-Xylene	11.95	106	254124	48.730	ug/l	99
70) Styrene	11.96	104	425351	51.335	ug/l	99
71) Bromoform	12.13	173	102955	44.800	ug/l #	99
73) Isopropylbenzene	12.25	105	664548	52.133	ug/l	100
74) N-amyl acetate	12.07	43	242120	50.690	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	208216	50.055	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	179746m	54.516	ug/l	
77) Bromobenzene	12.53	156	182435	47.554	ug/l	95
78) n-propylbenzene	12.59	91	707626	46.680	ug/l	100
79) 2-Chlorotoluene	12.67	91	436515	52.008	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	548456	45.523	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45025	45.477	ug/l	89
82) 4-Chlorotoluene	12.77	91	423744	47.779	ug/l	100
83) tert-Butylbenzene	12.99	119	481415	51.587	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	546747	47.856	ug/l	99
85) sec-Butylbenzene	13.17	105	622983	46.405	ug/l	100
86) p-Isopropyltoluene	13.29	119	558151	46.456	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288254	48.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	298318	52.229	ug/l	100
89) n-Butylbenzene	13.61	91	416798	46.830	ug/l	99
90) Hexachloroethane	13.87	117	84370	46.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	312698	52.163	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32369	54.405	ug/l	97

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93) 1,2,4-Trichlorobenzene	14.91	180	139123	42.788	ug/l	98
94) Hexachlorobutadiene	15.01	225	100856	49.013	ug/l	99
95) Naphthalene	15.13	128	384820	45.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	151689	45.357	ug/l	99

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

