

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
 Data File : VN056312.D
 Acq On : 14 Jun 2019 15:16
 Operator : JC/SP
 Sample : VN0614WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 9:45:38 AM

Quant Time: Jun 17 09:10:36 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	300027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	468553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	420388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	177310	59.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.04%	
35) Dibromofluoromethane	7.59	113	158108	55.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.00%	
50) Toluene-d8	10.09	98	573819	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.40	95	188741	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	65302	20.026	ug/l	98
3) Chloromethane	2.06	50	72209	22.202	ug/l	97
4) Vinyl Chloride	2.18	62	71428	21.895	ug/l	100
5) Bromomethane	2.52	94	38336m	18.602	ug/l	
6) Chloroethane	2.68	64	41905m	22.154	ug/l	
7) Trichlorofluoromethane	3.00	101	92570	22.227	ug/l	100
8) Diethyl Ether	3.40	74	38239	22.327	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57713	22.812	ug/l	98
10) Methyl Iodide	3.94	142	59419	14.779	ug/l	100
11) Tert butyl alcohol	4.82	59	55426	106.915	ug/l	98
12) 1,1-Dichloroethene	3.72	96	56035	22.248	ug/l	99
13) Acrolein	3.60	56	10842	72.515	ug/l	98
14) Allyl chloride	4.31	41	92721	23.314	ug/l	97
15) Acrylonitrile	4.99	53	171554	135.942	ug/l	100
16) Acetone	3.82	43	160681	112.777	ug/l	97
17) Carbon Disulfide	4.03	76	117390	19.466	ug/l	98
18) Methyl Acetate	4.33	43	86637	30.734	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	185456	23.100	ug/l	96
20) Methylene Chloride	4.54	84	69566	23.699	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	57809	21.421	ug/l	95
22) Diisopropyl ether	5.96	45	198225	24.111	ug/l	95
23) Vinyl Acetate	5.90	43	781258	120.671	ug/l	98
24) 1,1-Dichloroethane	5.84	63	115788	24.416	ug/l	99
25) 2-Butanone	6.84	43	233398	129.655	ug/l	97
26) 2,2-Dichloropropane	6.82	77	73011	19.730	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	70921	22.357	ug/l	99
28) Bromochloromethane	7.19	49	59218	26.405	ug/l	92
29) Tetrahydrofuran	7.22	42	149399	134.262	ug/l	98
30) Chloroform	7.37	83	115108	24.128	ug/l	99
31) Cyclohexane	7.65	56	97372	20.599	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	91852	23.056	ug/l	98
36) 1,1-Dichloropropene	7.79	75	79686	19.779	ug/l	99
37) Ethyl Acetate	6.94	43	85295	23.794	ug/l	99
38) Carbon Tetrachloride	7.77	117	78127	21.033	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93269	18.584	ug/l	97
40) Benzene	8.04	78	258495	21.125	ug/l	99
41) Methacrylonitrile	7.18	41	40147	24.341	ug/l	93
42) 1,2-Dichloroethane	8.12	62	88975	22.605	ug/l	98
43) Isopropyl Acetate	8.17	43	129562	22.304	ug/l	92
44) Trichloroethene	8.83	130	68379	19.447	ug/l	97
45) 1,2-Dichloropropane	9.12	63	70060	22.352	ug/l	98
46) Dibromomethane	9.21	93	46301	22.590	ug/l	98
47) Bromodichloromethane	9.40	83	87853	23.650	ug/l	97
48) Methyl methacrylate	9.20	41	65326	22.987	ug/l	98
49) 1,4-Dioxane	9.21	88	28477	464.146	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	439855	121.084	ug/l	99
52) Toluene	10.16	92	160513	21.080	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	80181	19.925	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	96239	21.553	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	66705	22.116	ug/l	98
56) Ethyl methacrylate	10.43	69	97579	22.176	ug/l	98
57) 1,3-Dichloropropane	10.71	76	111274	22.694	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	150115	95.798	ug/l	98
59) 2-Hexanone	10.75	43	311047	118.141	ug/l	98
60) Dibromochloromethane	10.90	129	67328	21.699	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69471	22.530	ug/l	99
64) Tetrachloroethene	10.63	164	66456	18.263	ug/l	100
65) Chlorobenzene	11.43	112	174777	20.890	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	63580	22.009	ug/l	98
67) Ethyl Benzene	11.51	91	295578	20.317	ug/l	98
68) m/p-Xylenes	11.62	106	221524	39.860	ug/l	98
69) o-Xylene	11.95	106	110653	20.241	ug/l	99
70) Styrene	11.96	104	180124	20.738	ug/l	99
71) Bromoform	12.13	173	48391	21.600	ug/l #	99
73) Isopropylbenzene	12.25	105	292029	23.875	ug/l	99
74) N-amyl acetate	12.07	43	104990	24.168	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	96608	25.536	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83053m	27.696	ug/l	
77) Bromobenzene	12.53	156	77368	22.174	ug/l	99
78) n-propylbenzene	12.59	91	302360	21.931	ug/l	99
79) 2-Chlorotoluene	12.67	91	188721	23.445	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	237014	21.631	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19820	22.011	ug/l #	80
82) 4-Chlorotoluene	12.77	91	174693	21.658	ug/l	100
83) tert-Butylbenzene	12.99	119	211999	23.489	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	222114	21.376	ug/l	100
85) sec-Butylbenzene	13.17	105	266815	21.853	ug/l	99
86) p-Isopropyltoluene	13.29	119	228624	20.922	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	112606	20.852	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	104799	20.174	ug/l	97
89) n-Butylbenzene	13.61	91	153146	18.919	ug/l	98
90) Hexachloroethane	13.87	117	41208	25.006	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	114688	21.036	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14286	26.401	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38646	16.034	ug/l	99
94) Hexachlorobutadiene	15.01	225	40673	20.522	ug/l	98
95) Naphthalene	15.13	128	109241	16.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47473	17.596	ug/l	100

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

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