

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054230.D
 Acq On : 14 Mar 2019 00:00
 Operator : JC/SP
 Sample : VN0313WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:28:22 AM

Quant Time: Mar 14 08:23:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1358580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2119408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1870065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	884153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	754046	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.59	113	688949	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.09	98	2472852	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	857105	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	277610	21.560	ug/l	100
3) Chloromethane	2.06	50	269118	21.517	ug/l	100
4) Vinyl Chloride	2.19	62	299264	20.934	ug/l	99
5) Bromomethane	2.57	94	191530	19.345	ug/l	100
6) Chloroethane	2.71	64	176690	20.428	ug/l	99
7) Trichlorofluoromethane	3.02	101	383294	20.167	ug/l	100
8) Diethyl Ether	3.41	74	197683	22.824	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	311039	21.839	ug/l	100
10) Methyl Iodide	3.94	142	289556	15.384	ug/l	99
11) Tert butyl alcohol	4.82	59	101372	102.488	ug/l	99
12) 1,1-Dichloroethene	3.73	96	312749	22.159	ug/l	97
13) Acrolein	3.60	56	37462	39.969	ug/l	100
14) Allyl chloride	4.31	41	362915	20.041	ug/l	99
15) Acrylonitrile	5.00	53	447549	110.153	ug/l	99
16) Acetone	3.82	43	345593	83.656	ug/l	99
17) Carbon Disulfide	4.04	76	686251	19.396	ug/l	99
18) Methyl Acetate	4.33	43	192838	23.072	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	762205	21.787	ug/l	100
20) Methylene Chloride	4.54	84	292170	21.539	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	286918	21.217	ug/l	96
22) Diisopropyl ether	5.96	45	780684	21.600	ug/l	98
23) Vinyl Acetate	5.90	43	2791892	104.770	ug/l	100
24) 1,1-Dichloroethane	5.85	63	503030	21.676	ug/l	99
25) 2-Butanone	6.85	43	504718	104.094	ug/l	96
26) 2,2-Dichloropropane	6.82	77	327521	16.049	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	334496	22.172	ug/l	97
28) Bromochloromethane	7.19	49	212252	22.373	ug/l	98
29) Tetrahydrofuran	7.22	42	338591	108.609	ug/l	99
30) Chloroform	7.37	83	532459	21.988	ug/l	100
31) Cyclohexane	7.65	56	463282	20.632	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	462284	21.138	ug/l	99
36) 1,1-Dichloropropene	7.79	75	390161	19.990	ug/l	98
37) Ethyl Acetate	6.94	43	236574	21.095	ug/l	99
38) Carbon Tetrachloride	7.77	117	390596	19.083	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	470945	19.611	ug/l	99
40) Benzene	8.04	78	1175145	21.040	ug/l	100
41) Methacrylonitrile	7.18	41	128069	20.000	ug/l	96
42) 1,2-Dichloroethane	8.12	62	400525	21.240	ug/l	100
43) Isopropyl Acetate	8.17	43	391552	19.891	ug/l	99
44) Trichloroethene	8.83	130	363153	20.930	ug/l	96
45) 1,2-Dichloropropane	9.12	63	292950	21.123	ug/l	98
46) Dibromomethane	9.21	93	198212	21.153	ug/l	98
47) Bromodichloromethane	9.40	83	385776	20.536	ug/l	98
48) Methyl methacrylate	9.20	41	212183	21.240	ug/l	99
49) 1,4-Dioxane	9.21	88	62925	445.314	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1107328	106.296	ug/l	100
52) Toluene	10.16	92	739194	20.873	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	354493	17.829	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	425708	19.447	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	271604	21.004	ug/l	98
56) Ethyl methacrylate	10.43	69	319663	20.732	ug/l	99
57) 1,3-Dichloropropane	10.71	76	447293	21.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	608525	101.675	ug/l	100
59) 2-Hexanone	10.75	43	696631	100.499	ug/l	100
60) Dibromochloromethane	10.90	129	281670	19.352	ug/l	99
61) 1,2-Dibromoethane	11.01	107	275064	20.932	ug/l	100
64) Tetrachloroethene	10.63	164	367109	20.304	ug/l	100
65) Chlorobenzene	11.43	112	855057	20.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	298747	20.028	ug/l	99
67) Ethyl Benzene	11.51	91	1396348	20.514	ug/l	99
68) m/p-Xylenes	11.62	106	1092798	41.077	ug/l	99
69) o-Xylene	11.95	106	536997	20.706	ug/l	99
70) Styrene	11.96	104	845063	20.777	ug/l	100
71) Bromoform	12.13	173	183688	17.746	ug/l #	100
73) Isopropylbenzene	12.25	105	1443961	20.413	ug/l	99
74) N-amyl acetate	12.07	43	308924	19.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	309675	20.548	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	258918m	19.914	ug/l	
77) Bromobenzene	12.53	156	385585	20.599	ug/l	97
78) n-propylbenzene	12.59	91	1568815	20.439	ug/l	99
79) 2-Chlorotoluene	12.67	91	930147	20.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1178730	20.033	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55268	14.531	ug/l #	86
82) 4-Chlorotoluene	12.77	91	931353	20.210	ug/l	99
83) tert-Butylbenzene	12.99	119	1079014	19.923	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1185394	20.536	ug/l	99
85) sec-Butylbenzene	13.17	105	1421024	20.232	ug/l	100
86) p-Isopropyltoluene	13.29	119	1225662	19.891	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	650518	20.625	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	643991	20.784	ug/l	99
89) n-Butylbenzene	13.62	91	954392	20.385	ug/l	99
90) Hexachloroethane	13.88	117	181747	17.813	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	642899	20.850	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44410	19.043	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	359037	20.833	ug/l	99
94) Hexachlorobutadiene	15.01	225	229261	19.520	ug/l	99
95) Naphthalene	15.13	128	733411	21.070	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	366821	22.391	ug/l	100

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

