

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054229.D
 Acq On : 13 Mar 2019 23:34
 Operator : JC/SP
 Sample : VN0313WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:28:17 AM

Quant Time: Mar 14 08:22:11 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	1341070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2108178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1871738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	891004	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	754780	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
35) Dibromofluoromethane	7.59	113	683710	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.09	98	2498996	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	860897	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	281661	22.161	ug/l	100
3) Chloromethane	2.06	50	257210	20.833	ug/l	99
4) Vinyl Chloride	2.19	62	299191	21.202	ug/l	99
5) Bromomethane	2.57	94	181829	18.605	ug/l	99
6) Chloroethane	2.71	64	177058	20.738	ug/l	99
7) Trichlorofluoromethane	3.02	101	386492	20.600	ug/l	99
8) Diethyl Ether	3.41	74	191766	22.430	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	307862	21.898	ug/l	99
10) Methyl Iodide	3.94	142	282347	15.215	ug/l	99
11) Tert butyl alcohol	4.82	59	91328	93.539	ug/l	97
12) 1,1-Dichloroethene	3.73	96	310253	22.269	ug/l	99
13) Acrolein	3.61	56	67863	73.350	ug/l	98
14) Allyl chloride	4.32	41	363486	20.334	ug/l	98
15) Acrylonitrile	5.00	53	436262	108.777	ug/l	99
16) Acetone	3.82	43	325588	79.843	ug/l	100
17) Carbon Disulfide	4.04	76	656830	18.806	ug/l	100
18) Methyl Acetate	4.33	43	191076	23.160	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	755197	21.868	ug/l	98
20) Methylene Chloride	4.55	84	290731	21.713	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	286527	21.464	ug/l	99
22) Diisopropyl ether	5.96	45	778065	21.809	ug/l	97
23) Vinyl Acetate	5.90	43	2746765	104.422	ug/l	100
24) 1,1-Dichloroethane	5.85	63	500115	21.832	ug/l	98
25) 2-Butanone	6.85	43	480145	100.319	ug/l	99
26) 2,2-Dichloropropane	6.82	77	331885	16.475	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	336110	22.569	ug/l	95
28) Bromochloromethane	7.19	49	193684	20.682	ug/l	97
29) Tetrahydrofuran	7.22	42	323028	104.970	ug/l	99
30) Chloroform	7.37	83	528620	22.115	ug/l	98
31) Cyclohexane	7.65	56	458644	20.696	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	461553	21.380	ug/l	100
36) 1,1-Dichloropropene	7.79	75	394892	20.340	ug/l	99
37) Ethyl Acetate	6.94	43	225903	20.251	ug/l #	94
38) Carbon Tetrachloride	7.77	117	389073	19.110	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	473647	19.828	ug/l	99
40) Benzene	8.04	78	1174793	21.146	ug/l	100
41) Methacrylonitrile	7.18	41	117692	18.478	ug/l	94
42) 1,2-Dichloroethane	8.13	62	390823	20.836	ug/l	100
43) Isopropyl Acetate	8.17	43	377588	19.284	ug/l	99
44) Trichloroethene	8.84	130	358764	20.788	ug/l	98
45) 1,2-Dichloropropane	9.12	63	294978	21.383	ug/l	99
46) Dibromomethane	9.21	93	191446	20.539	ug/l	98
47) Bromodichloromethane	9.40	83	385144	20.612	ug/l	97
48) Methyl methacrylate	9.20	41	205236	20.654	ug/l	99
49) 1,4-Dioxane	9.20	88	58326	414.966	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1063243	102.607	ug/l	100
52) Toluene	10.16	92	740929	21.033	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	352263	17.814	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	420849	19.327	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	271415	21.101	ug/l	98
56) Ethyl methacrylate	10.43	69	313647	20.450	ug/l	99
57) 1,3-Dichloropropane	10.71	76	441610	20.997	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	558446	95.107	ug/l	100
59) 2-Hexanone	10.75	43	671325	97.364	ug/l	99
60) Dibromochloromethane	10.90	129	284023	19.618	ug/l	99
61) 1,2-Dibromoethane	11.00	107	274709	21.016	ug/l	99
64) Tetrachloroethene	10.63	164	368592	20.368	ug/l	99
65) Chlorobenzene	11.43	112	850558	20.696	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	300772	20.146	ug/l	99
67) Ethyl Benzene	11.51	91	1385940	20.343	ug/l	99
68) m/p-Xylenes	11.62	106	1090268	40.945	ug/l	100
69) o-Xylene	11.95	106	536739	20.678	ug/l	99
70) Styrene	11.96	104	846893	20.803	ug/l	100
71) Bromoform	12.13	173	182602	17.641	ug/l #	99
73) Isopropylbenzene	12.25	105	1417720	19.888	ug/l	100
74) N-amyl acetate	12.07	43	305463	19.305	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	306339	20.170	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	253998m	19.385	ug/l	
77) Bromobenzene	12.53	156	382847	20.296	ug/l	97
78) n-propylbenzene	12.59	91	1544992	19.974	ug/l	100
79) 2-Chlorotoluene	12.67	91	928533	19.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1178867	19.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55786	14.554	ug/l	88
82) 4-Chlorotoluene	12.77	91	922186	19.858	ug/l	99
83) tert-Butylbenzene	12.99	119	1090498	19.981	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1174374	20.188	ug/l	100
85) sec-Butylbenzene	13.17	105	1395069	19.710	ug/l	100
86) p-Isopropyltoluene	13.29	119	1223774	19.708	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	649125	20.422	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	630024	20.177	ug/l	99
89) n-Butylbenzene	13.61	91	925878	19.624	ug/l	100
90) Hexachloroethane	13.87	117	178642	17.374	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	645188	20.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43786	18.631	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	334343	19.442	ug/l	100
94) Hexachlorobutadiene	15.01	225	227210	19.197	ug/l	98
95) Naphthalene	15.13	128	668774	19.395	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	345765	20.943	ug/l	99

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

