

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054392.D
 Acq On : 18 Mar 2019 14:27
 Operator : JC/SP
 Sample : VN0318WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:24:05 AM

Quant Time: Mar 19 06:29:54 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	1273733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2010762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1727138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	746073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	711942	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
35) Dibromofluoromethane	7.59	113	668998	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.09	98	2406795	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	786156	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	253616	21.009	ug/l	100
3) Chloromethane	2.06	50	231783	19.766	ug/l	99
4) Vinyl Chloride	2.19	62	261425	19.505	ug/l	99
5) Bromomethane	2.57	94	169826	18.295	ug/l	99
6) Chloroethane	2.71	64	157829	19.463	ug/l	100
7) Trichlorofluoromethane	3.02	101	340861	19.129	ug/l	100
8) Diethyl Ether	3.41	74	175987	21.673	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	277137	20.754	ug/l	99
10) Methyl Iodide	3.94	142	383522	21.116	ug/l	99
11) Tert butyl alcohol	4.82	59	76577	82.577	ug/l	99
12) 1,1-Dichloroethene	3.73	96	274483	20.743	ug/l	98
13) Acrolein	3.60	56	65486	74.523	ug/l	99
14) Allyl chloride	4.32	41	335330	19.751	ug/l	98
15) Acrylonitrile	4.99	53	433225	113.730	ug/l	100
16) Acetone	3.82	43	298778	77.142	ug/l	100
17) Carbon Disulfide	4.04	76	524196	15.802	ug/l	100
18) Methyl Acetate	4.33	43	206407	26.341	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	720382	21.963	ug/l	99
20) Methylene Chloride	4.55	84	281555	22.139	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	263464	20.780	ug/l	98
22) Diisopropyl ether	5.96	45	763170	22.522	ug/l	98
23) Vinyl Acetate	5.90	43	2554570	102.250	ug/l	99
24) 1,1-Dichloroethane	5.85	63	476807	21.915	ug/l	99
25) 2-Butanone	6.85	43	484582	106.599	ug/l	100
26) 2,2-Dichloropropane	6.82	77	308856	16.143	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	317520	22.448	ug/l	96
28) Bromochloromethane	7.19	49	196328	22.073	ug/l	99
29) Tetrahydrofuran	7.22	42	318753	109.057	ug/l	99
30) Chloroform	7.37	83	511060	22.510	ug/l	100
31) Cyclohexane	7.65	56	426162	20.220	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	424263	20.692	ug/l	99
36) 1,1-Dichloropropene	7.79	75	370955	20.033	ug/l	99
37) Ethyl Acetate	6.94	43	216299	20.329	ug/l	99
38) Carbon Tetrachloride	7.77	117	357255	18.397	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	421014	18.479	ug/l	99
40) Benzene	8.04	78	1115903	21.059	ug/l	99
41) Methacrylonitrile	7.18	41	110731	18.227	ug/l	91
42) 1,2-Dichloroethane	8.12	62	367630	20.549	ug/l	99
43) Isopropyl Acetate	8.17	43	355903	19.057	ug/l	98
44) Trichloroethene	8.84	130	328659	19.966	ug/l	100
45) 1,2-Dichloropropane	9.12	63	287350	21.839	ug/l	97
46) Dibromomethane	9.21	93	185011	20.811	ug/l	98
47) Bromodichloromethane	9.40	83	350629	19.673	ug/l	99
48) Methyl methacrylate	9.20	41	194376	20.509	ug/l	96
49) 1,4-Dioxane	9.20	88	47046	350.929	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1030245	104.240	ug/l	97
52) Toluene	10.16	92	710850	21.157	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	313997	16.778	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	384845	18.530	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	260648	21.246	ug/l	98
56) Ethyl methacrylate	10.43	69	296579	20.274	ug/l	98
57) 1,3-Dichloropropane	10.71	76	428651	21.368	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	560025	99.132	ug/l	98
59) 2-Hexanone	10.75	43	642896	97.758	ug/l	100
60) Dibromochloromethane	10.90	129	258947	18.753	ug/l	99
61) 1,2-Dibromoethane	11.01	107	259300	20.799	ug/l	100
64) Tetrachloroethene	10.63	164	333920	19.997	ug/l	99
65) Chlorobenzene	11.43	112	796300	20.998	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	279718	20.304	ug/l	97
67) Ethyl Benzene	11.51	91	1305991	20.775	ug/l	100
68) m/p-Xylenes	11.62	106	1020827	41.547	ug/l	100
69) o-Xylene	11.95	106	508594	21.234	ug/l	98
70) Styrene	11.96	104	776582	20.673	ug/l	100
71) Bromoform	12.13	173	160058	16.875	ug/l #	99
73) Isopropylbenzene	12.25	105	1330380	22.288	ug/l	100
74) N-amyl acetate	12.07	43	271213	20.470	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	296280	23.297	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	236735m	21.578	ug/l	
77) Bromobenzene	12.53	156	351105	22.229	ug/l	94
78) n-propylbenzene	12.59	91	1393171	21.510	ug/l	100
79) 2-Chlorotoluene	12.67	91	852675	21.895	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1060174	21.353	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43808	13.650	ug/l #	75
82) 4-Chlorotoluene	12.77	91	826553	21.256	ug/l	99
83) tert-Butylbenzene	12.99	119	971755	21.264	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1069094	21.949	ug/l	100
85) sec-Butylbenzene	13.17	105	1199534	20.240	ug/l	100
86) p-Isopropyltoluene	13.29	119	1035471	19.915	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	553260	20.787	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	529862	20.266	ug/l	98
89) n-Butylbenzene	13.62	91	732468	18.541	ug/l	99
90) Hexachloroethane	13.88	117	142767	16.583	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	558691	21.473	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36201	18.395	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	245687	17.370	ug/l	99
94) Hexachlorobutadiene	15.01	225	161978	16.344	ug/l	99
95) Naphthalene	15.13	128	559992	19.395	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	260878	18.871	ug/l	100

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

