

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053291.D
 Acq On : 4 Jan 2019 20:23
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN010519

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:25 AM

Quant Time: Jan 08 10:22:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	955636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1459704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1308483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	620484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	492074	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	413642	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	10.09	98	1787374	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	620871	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	427313	50.720	ug/l	99
3) Chloromethane	2.06	50	576090	48.965	ug/l	99
4) Vinyl Chloride	2.19	62	558092	49.699	ug/l	99
5) Bromomethane	2.57	94	371024	50.563	ug/l	99
6) Chloroethane	2.71	64	328252	48.429	ug/l	99
7) Trichlorofluoromethane	3.02	101	714071	49.093	ug/l	99
8) Diethyl Ether	3.41	74	284944	49.981	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	447421	48.536	ug/l	99
10) Methyl Iodide	3.96	142	669829	51.837	ug/l	100
11) Tert butyl alcohol	4.78	59	150944	252.415	ug/l	99
12) 1,1-Dichloroethene	3.74	96	448635	50.314	ug/l	100
13) Acrolein	3.61	56	205669	273.539	ug/l	100
14) Allyl chloride	4.33	41	743379	51.726	ug/l	96
15) Acrylonitrile	4.99	53	886199	248.248	ug/l	100
16) Acetone	3.82	43	569937	238.082	ug/l	98
17) Carbon Disulfide	4.06	76	1379528	50.182	ug/l	99
18) Methyl Acetate	4.33	43	410453	45.616	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1268753	50.698	ug/l	99
20) Methylene Chloride	4.55	84	506986	47.479	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	478835	50.014	ug/l	100
22) Diisopropyl ether	5.95	45	1546436	49.949	ug/l	98
23) Vinyl Acetate	5.90	43	5013592	257.363	ug/l	100
24) 1,1-Dichloroethane	5.85	63	883149	49.458	ug/l	99
25) 2-Butanone	6.83	43	972617	238.452	ug/l	100
26) 2,2-Dichloropropane	6.83	77	631671	48.393	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	551061	50.402	ug/l	99
28) Bromochloromethane	7.20	49	391176	51.407	ug/l	99
29) Tetrahydrofuran	7.21	42	657746	244.362	ug/l	99
30) Chloroform	7.37	83	865152	49.225	ug/l	98
31) Cyclohexane	7.66	56	835983	49.264	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	731396	49.939	ug/l	99
36) 1,1-Dichloropropene	7.80	75	681382	50.001	ug/l	100
37) Ethyl Acetate	6.93	43	441419	49.730	ug/l	100
38) Carbon Tetrachloride	7.78	117	635756	50.545	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	793154	50.240	ug/l	99
40) Benzene	8.04	78	2065760	49.626	ug/l	100
41) Methacrylonitrile	7.18	41	270762	49.134	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	604503	48.958	ug/l	100
43) Isopropyl Acetate	8.17	43	815258	46.688	ug/l	99
44) Trichloroethene	8.84	130	558758	48.885	ug/l	98
45) 1,2-Dichloropropane	9.12	63	543063	49.742	ug/l	98
46) Dibromomethane	9.21	93	318787	50.079	ug/l	100
47) Bromodichloromethane	9.40	83	661779	49.886	ug/l	99
48) Methyl methacrylate	9.20	41	402266	50.707	ug/l	100
49) 1,4-Dioxane	9.20	88	85149	1007.421	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2180250	248.285	ug/l	100
52) Toluene	10.16	92	1277298	50.016	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	703262	51.822	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	807797	51.512	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	459683	48.954	ug/l	99
56) Ethyl methacrylate	10.43	69	639980	52.447	ug/l	100
57) 1,3-Dichloropropane	10.71	76	788553	50.217	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1659654	251.579	ug/l	99
59) 2-Hexanone	10.75	43	1490442	247.723	ug/l	99
60) Dibromochloromethane	10.90	129	511132	50.468	ug/l	99
61) 1,2-Dibromoethane	11.01	107	467444	50.445	ug/l	99
64) Tetrachloroethene	10.63	164	594664	48.286	ug/l	99
65) Chlorobenzene	11.43	112	1409086	49.572	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	496467	49.900	ug/l	99
67) Ethyl Benzene	11.51	91	2440547	50.528	ug/l	100
68) m/p-Xylenes	11.62	106	1856211	102.201	ug/l	100
69) o-Xylene	11.95	106	897976	50.502	ug/l	99
70) Styrene	11.96	104	1493876	51.622	ug/l	100
71) Bromoform	12.13	173	358300	50.985	ug/l #	99
73) Isopropylbenzene	12.25	105	2372123	51.348	ug/l	100
74) N-amyl acetate	12.07	43	723581	52.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	533546	50.207	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	467644m	51.673	ug/l	
77) Bromobenzene	12.53	156	619304	50.229	ug/l	99
78) n-propylbenzene	12.59	91	2699282	51.656	ug/l	100
79) 2-Chlorotoluene	12.67	91	1601181	50.640	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1910598	51.344	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	165413	53.775	ug/l	99
82) 4-Chlorotoluene	12.77	91	1650100	50.894	ug/l	100
83) tert-Butylbenzene	12.99	119	1668063	51.092	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1947198	51.364	ug/l	100
85) sec-Butylbenzene	13.17	105	2212740	51.392	ug/l	100
86) p-Isopropyltoluene	13.29	119	1936041	51.934	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1084588	49.952	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1071880	49.766	ug/l	100
89) n-Butylbenzene	13.62	91	1590309	50.882	ug/l	100
90) Hexachloroethane	13.88	117	306366	51.273	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1019178	50.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64774	50.253	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	333798	52.198	ug/l	99
94) Hexachlorobutadiene	15.01	225	261447	49.984	ug/l	99
95) Naphthalene	15.13	128	581164	53.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	218979	52.302	ug/l	100

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

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