

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061318\
 Data File : VN049217.D
 Acq On : 13 Jun 2018 22:44
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Manual Integrations
 APPROVED

apatel
 6/14/2018 5:07:36 PM

Quant Time: Jun 14 05:21:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	988311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1559746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1435730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	692310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	756912	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.59	113	622277	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.09	98	2480458	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	847228	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	624664	43.88	ug/l	99
3) Chloromethane	2.06	50	639036	43.93	ug/l	99
4) Vinyl Chloride	2.18	62	652028	43.71	ug/l	99
5) Bromomethane	2.56	94	372599	43.44	ug/l	98
6) Chloroethane	2.70	64	419202	41.62	ug/l	99
7) Trichlorofluoromethane	3.02	101	868956	41.38	ug/l	97
8) Diethyl Ether	3.41	74	363840	46.65	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	609117	44.81	ug/l	98
10) Methyl Iodide	3.95	142	649969	49.17	ug/l	94
11) Tert butyl alcohol	4.80	59	217570	250.12	ug/l	96
12) 1,1-Dichloroethene	3.73	96	578167	46.84	ug/l	96
13) Acrolein	3.61	56	314041	265.16	ug/l	100
14) Allyl chloride	4.32	41	1128230	48.67	ug/l	88
15) Acrylonitrile	4.99	53	1160880	247.95	ug/l	99
16) Acetone	3.82	43	851655	223.35	ug/l	96
17) Carbon Disulfide	4.05	76	1933188	45.91	ug/l	100
18) Methyl Acetate	4.33	43	559542	49.09	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1647237	48.98	ug/l	99
20) Methylene Chloride	4.55	84	694231	44.83	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	625900	45.74	ug/l	100
22) Diisopropyl ether	5.96	45	2298273	49.67	ug/l	96
23) Vinyl Acetate	5.90	43	7679377	251.08	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1250974	45.37	ug/l	99
25) 2-Butanone	6.84	43	1296779	237.50	ug/l	100
26) 2,2-Dichloropropane	6.82	77	921748	44.58	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	710535	47.68	ug/l	97
28) Bromochloromethane	7.20	49	622682	47.58	ug/l	99
29) Tetrahydrofuran	7.22	42	878635	250.14	ug/l	98
30) Chloroform	7.37	83	1193207	45.04	ug/l	98
31) Cyclohexane	7.65	56	1165685	49.10	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1043028	45.71	ug/l	98
36) 1,1-Dichloropropene	7.80	75	945180	48.50	ug/l	99
37) Ethyl Acetate	6.93	43	606805	49.33	ug/l	99
38) Carbon Tetrachloride	7.78	117	905654	46.13	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	994665	49.41	ug/l	98
40) Benzene	8.04	78	2807779	47.56	ug/l	99
41) Methacrylonitrile	7.18	41	331908	47.69	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	895686	45.97	ug/l	98
43) Isopropyl Acetate	8.17	43	1127865	49.86	ug/l	98
44) Trichloroethene	8.84	130	683660	46.37	ug/l	97
45) 1,2-Dichloropropane	9.12	63	769474	47.38	ug/l	99
46) Dibromomethane	9.21	93	416430	46.42	ug/l	97
47) Bromodichloromethane	9.41	83	937615	46.40	ug/l	96
48) Methyl methacrylate	9.20	41	559043	50.58	ug/l	93
49) 1,4-Dioxane	9.20	88	127728	978.64	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3024677	251.09	ug/l	98
52) Toluene	10.16	92	1702573	49.56	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	953452	49.63	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1111443	49.92	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	592319	46.98	ug/l	99
56) Ethyl methacrylate	10.43	69	811186	53.38	ug/l #	92
57) 1,3-Dichloropropane	10.71	76	1044948	48.34	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1319014	229.64	ug/l	99
59) 2-Hexanone	10.75	43	1943373	258.91	ug/l	98
60) Dibromochloromethane	10.90	129	674532	48.25	ug/l	100
61) 1,2-Dibromoethane	11.01	107	547776	46.98	ug/l	99
64) Tetrachloroethene	10.63	164	664262	46.18	ug/l	99
65) Chlorobenzene	11.44	112	1791015	48.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	663225	47.08	ug/l	99
67) Ethyl Benzene	11.51	91	3304016	51.71	ug/l	99
68) m/p-Xylenes	11.62	106	2458794	105.23	ug/l	99
69) o-Xylene	11.95	106	1189976	52.88	ug/l	99
70) Styrene	11.97	104	1935546	54.33	ug/l	99
71) Bromoform	12.13	173	436358	49.56	ug/l	99
73) Isopropylbenzene	12.25	105	3191728	48.00	ug/l	99
74) N-amyl acetate	12.07	43	981067	51.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	734941	54.19	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	611322m	53.47	ug/l	
77) Bromobenzene	12.53	156	737573	52.11	ug/l	99
78) n-propylbenzene	12.59	91	3706890	50.18	ug/l	99
79) 2-Chlorotoluene	12.68	91	2207414	47.38	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2558225	50.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	189634	45.76	ug/l	93
82) 4-Chlorotoluene	12.78	91	2202592	49.84	ug/l	100
83) tert-Butylbenzene	13.00	119	2147007	48.88	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2623013	51.76	ug/l	100
85) sec-Butylbenzene	13.17	105	3000975	51.25	ug/l	99
86) p-Isopropyltoluene	13.29	119	2503154	52.78	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1288108	49.52	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1251381	48.84	ug/l	99
89) n-Butylbenzene	13.62	91	2141732	51.55	ug/l	99
90) Hexachloroethane	13.88	117	501639	52.43	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1244550	48.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	106666	46.12	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	544412	49.57	ug/l	98
94) Hexachlorobutadiene	15.01	225	402726	52.04	ug/l	98
95) Naphthalene	15.14	128	1183948	49.33	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	555948	55.01	ug/l	99

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

