

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049311.D
 Acq On : 16 Jun 2018 15:55
 Operator : MD\SY
 Sample : VN0616WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:22 PM

Quant Time: Jun 18 03:39:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1479509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2215666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1988173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	938203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	956702	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
35) Dibromofluoromethane	7.59	113	851267	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.09	98	3249217	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.40	95	1055958	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314803	18.49	ug/l	98
3) Chloromethane	2.06	50	379219	17.25	ug/l	98
4) Vinyl Chloride	2.18	62	432313	18.50	ug/l	99
5) Bromomethane	2.57	94	150890	12.28	ug/l	98
6) Chloroethane	2.70	64	276847	19.87	ug/l	100
7) Trichlorofluoromethane	3.01	101	567999	19.48	ug/l	99
8) Diethyl Ether	3.41	74	190268	18.69	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	356374	19.27	ug/l	94
10) Methyl Iodide	3.95	142	277177	14.40	ug/l	92
11) Tert butyl alcohol	4.79	59	101979	88.54	ug/l	98
12) 1,1-Dichloroethene	3.73	96	311613	18.37	ug/l	93
13) Acrolein	3.61	56	93349	77.29	ug/l	97
14) Allyl chloride	4.32	41	505256	18.86	ug/l	90
15) Acrylonitrile	4.99	53	536613	93.18	ug/l	98
16) Acetone	3.82	43	478713	100.47	ug/l	91
17) Carbon Disulfide	4.05	76	916975	17.25	ug/l	100
18) Methyl Acetate	4.33	43	273581	18.83	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	830955	19.21	ug/l	98
20) Methylene Chloride	4.54	84	374875	18.84	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	337053	18.77	ug/l	96
22) Diisopropyl ether	5.96	45	1044602	19.53	ug/l	95
23) Vinyl Acetate	5.90	43	3304822	94.78	ug/l	95
24) 1,1-Dichloroethane	5.85	63	660707	19.30	ug/l	99
25) 2-Butanone	6.84	43	603869	94.39	ug/l	96
26) 2,2-Dichloropropane	6.83	77	548500	19.84	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	382643	19.16	ug/l	92
28) Bromochloromethane	7.19	49	306258	20.18	ug/l	85
29) Tetrahydrofuran	7.22	42	384655	93.40	ug/l	95
30) Chloroform	7.37	83	660520	19.39	ug/l	100
31) Cyclohexane	7.65	56	569399	19.51	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	562770	19.36	ug/l	97
36) 1,1-Dichloropropene	7.79	75	497152	19.58	ug/l	98
37) Ethyl Acetate	6.93	43	269934	19.55	ug/l #	98
38) Carbon Tetrachloride	7.77	117	507140	19.29	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	520848	19.11	ug/l	98
40) Benzene	8.04	78	1498179	19.24	ug/l	99
41) Methacrylonitrile	7.18	41	149011	19.97	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	469116	19.50	ug/l	98
43) Isopropyl Acetate	8.17	43	541965	20.55	ug/l	99
44) Trichloroethene	8.83	130	398646	19.39	ug/l	96
45) 1,2-Dichloropropane	9.12	63	392650	19.26	ug/l	99
46) Dibromomethane	9.21	93	228263	19.31	ug/l	93
47) Bromodichloromethane	9.40	83	499236	19.22	ug/l	98
48) Methyl methacrylate	9.20	41	224409	18.07	ug/l #	88
49) 1,4-Dioxane	9.20	88	60482	352.80	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1318716	95.39	ug/l	96
52) Toluene	10.16	92	904879	19.80	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	465903	18.75	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	562157	19.16	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	322091	18.91	ug/l	96
56) Ethyl methacrylate	10.43	69	363716	18.51	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	540618	19.16	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	526210	84.93	ug/l	94
59) 2-Hexanone	10.75	43	832651	93.43	ug/l	93
60) Dibromochloromethane	10.90	129	358990	18.88	ug/l	100
61) 1,2-Dibromoethane	11.01	107	301308	19.03	ug/l	100
64) Tetrachloroethene	10.63	164	436603	21.43	ug/l	98
65) Chlorobenzene	11.44	112	990624	19.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	370303	19.21	ug/l	99
67) Ethyl Benzene	11.51	91	1653604	19.46	ug/l	98
68) m/p-Xylenes	11.62	106	1284369	40.29	ug/l	96
69) o-Xylene	11.95	106	609760	19.86	ug/l	97
70) Styrene	11.97	104	965119	19.92	ug/l	98
71) Bromoform	12.13	173	232721	18.65	ug/l #	99
73) Isopropylbenzene	12.25	105	1643792	19.95	ug/l	97
74) N-amyl acetate	12.07	43	357636	17.73	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	356212	19.66	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	319446m	19.96	ug/l	
77) Bromobenzene	12.53	156	402253	18.49	ug/l	92
78) n-propylbenzene	12.59	91	1842766	20.37	ug/l	98
79) 2-Chlorotoluene	12.68	91	1126945	19.66	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1333152	20.59	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	89431	17.66	ug/l	95
82) 4-Chlorotoluene	12.77	91	1117255	20.21	ug/l	98
83) tert-Butylbenzene	12.99	119	1131070	19.72	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1336447	20.78	ug/l	99
85) sec-Butylbenzene	13.17	105	1521313	19.93	ug/l	99
86) p-Isopropyltoluene	13.29	119	1281063	20.08	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	684632	19.13	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	657031	18.52	ug/l	99
89) n-Butylbenzene	13.62	91	919187	18.45	ug/l	98
90) Hexachloroethane	13.88	117	251519	19.81	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	669169	19.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48551	16.93	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	213248	16.74	ug/l	99
94) Hexachlorobutadiene	15.01	225	212037	18.96	ug/l	98
95) Naphthalene	15.14	128	397585	16.73	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	233498	17.28	ug/l	99

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

