

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052643.D
 Acq On : 3 Dec 2018 20:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:57:08 PM

Quant Time: Dec 04 01:34:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	964423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1502211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1351898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	631108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	518418	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	472412	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1787313	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	623762	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	411838	45.607	ug/l	99
3) Chloromethane	2.06	50	532991	44.714	ug/l	99
4) Vinyl Chloride	2.19	62	558778	45.634	ug/l	99
5) Bromomethane	2.57	94	323983	42.406	ug/l	99
6) Chloroethane	2.71	64	342897	46.231	ug/l	100
7) Trichlorofluoromethane	3.02	101	725976	48.267	ug/l	99
8) Diethyl Ether	3.41	74	277421	49.946	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	454966	48.476	ug/l	99
10) Methyl Iodide	3.96	142	700652	56.051	ug/l	99
11) Tert butyl alcohol	4.78	59	142757	271.556	ug/l	99
12) 1,1-Dichloroethene	3.74	96	436736	48.343	ug/l	99
13) Acrolein	3.61	56	164047	179.547	ug/l	99
14) Allyl chloride	4.33	41	752997	48.361	ug/l	99
15) Acrylonitrile	4.99	53	867231	260.606	ug/l	100
16) Acetone	3.82	43	598758	216.182	ug/l	100
17) Carbon Disulfide	4.06	76	1215988	42.771	ug/l	100
18) Methyl Acetate	4.33	43	426189	53.644	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1261546	52.485	ug/l	100
20) Methylene Chloride	4.55	84	509985	47.053	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	467693	48.473	ug/l	94
22) Diisopropyl ether	5.95	45	1614096	49.352	ug/l	99
23) Vinyl Acetate	5.90	43	5284301	259.403	ug/l	99
24) 1,1-Dichloroethane	5.85	63	911688	48.821	ug/l	99
25) 2-Butanone	6.83	43	960826	244.750	ug/l	98
26) 2,2-Dichloropropane	6.83	77	623195	48.215	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	549472	48.888	ug/l	98
28) Bromochloromethane	7.20	49	423726	49.679	ug/l	95
29) Tetrahydrofuran	7.21	42	633529	250.200	ug/l	98
30) Chloroform	7.37	83	903268	48.482	ug/l	100
31) Cyclohexane	7.66	56	830143	45.899	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	745325	50.491	ug/l	99
36) 1,1-Dichloropropene	7.79	75	679105	47.872	ug/l	98
37) Ethyl Acetate	6.93	43	441024	50.941	ug/l	99
38) Carbon Tetrachloride	7.78	117	646327	50.329	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	810426	47.002	ug/l	98
40) Benzene	8.04	78	2074450	49.069	ug/l	99
41) Methacrylonitrile	7.17	41	268537	56.736	ug/l	94
42) 1,2-Dichloroethane	8.13	62	644668	50.362	ug/l	99
43) Isopropyl Acetate	8.17	43	821614	56.079	ug/l #	87
44) Trichloroethene	8.84	130	544344	50.267	ug/l	99
45) 1,2-Dichloropropane	9.12	63	557034	49.560	ug/l	99
46) Dibromomethane	9.21	93	320937	51.580	ug/l	98
47) Bromodichloromethane	9.40	83	691392	51.108	ug/l	99
48) Methyl methacrylate	9.20	41	403913	52.872	ug/l	98
49) 1,4-Dioxane	9.20	88	92573	1167.600	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2219338	269.983	ug/l	99
52) Toluene	10.16	92	1276314	50.812	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	696117	53.489	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	817013	52.387	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	471123	53.322	ug/l	99
56) Ethyl methacrylate	10.43	69	625119	50.900	ug/l	98
57) 1,3-Dichloropropane	10.71	76	802702	51.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1700971	265.312	ug/l	99
59) 2-Hexanone	10.75	43	1468861	266.240	ug/l	98
60) Dibromochloromethane	10.90	129	516209	53.793	ug/l	100
61) 1,2-Dibromoethane	11.01	107	468864	53.429	ug/l	100
64) Tetrachloroethene	10.63	164	532550	50.808	ug/l	97
65) Chlorobenzene	11.43	112	1413548	50.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	501330	51.723	ug/l	99
67) Ethyl Benzene	11.51	91	2475947	50.720	ug/l	100
68) m/p-Xylenes	11.62	106	1865923	102.676	ug/l	100
69) o-Xylene	11.95	106	910601	51.600	ug/l	100
70) Styrene	11.97	104	1498492	53.312	ug/l	99
71) Bromoform	12.13	173	356677	55.577	ug/l #	100
73) Isopropylbenzene	12.25	105	2448759	49.456	ug/l	100
74) N-amyl acetate	12.07	43	687739	54.978	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	573811	50.944	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	486765m	50.017	ug/l	
77) Bromobenzene	12.53	156	612186	50.021	ug/l	99
78) n-propylbenzene	12.59	91	2782889	49.473	ug/l	100
79) 2-Chlorotoluene	12.68	91	1650075	49.260	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1980840	50.161	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	154619	53.057	ug/l	99
82) 4-Chlorotoluene	12.77	91	1646946	48.784	ug/l	99
83) tert-Butylbenzene	12.99	119	1742595	49.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1997611	50.476	ug/l	100
85) sec-Butylbenzene	13.17	105	2369310	49.412	ug/l	99
86) p-Isopropyltoluene	13.29	119	2046301	50.104	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1076862	50.302	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1051581	49.869	ug/l	100
89) n-Butylbenzene	13.62	91	1707831	50.281	ug/l	99
90) Hexachloroethane	13.88	117	345207	49.920	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1049811	51.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85790	53.255	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	534838	47.863	ug/l	100
94) Hexachlorobutadiene	15.01	225	312588	47.507	ug/l	100
95) Naphthalene	15.14	128	1155750	48.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	497967	48.429	ug/l	99

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

