

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053043.D
 Acq On : 20 Dec 2018 9:08
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 9:20:36 AM

Quant Time: Dec 21 00:26:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1080546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1600267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1453014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	718052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	570369	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.59	113	460937	63.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.12%	
50) Toluene-d8	10.09	98	2147861	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
62) 4-Bromofluorobenzene	12.40	95	770792	55.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	527461	48.232	ug/l	100
3) Chloromethane	2.06	50	640058	48.299	ug/l	100
4) Vinyl Chloride	2.19	62	641586	47.804	ug/l	100
5) Bromomethane	2.57	94	425515	45.761	ug/l	99
6) Chloroethane	2.71	64	383717	48.274	ug/l	100
7) Trichlorofluoromethane	3.02	101	815312	48.764	ug/l	100
8) Diethyl Ether	3.41	74	310145	49.171	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	531188	49.829	ug/l	99
10) Methyl Iodide	3.96	142	757769	50.618	ug/l	99
11) Tert butyl alcohol	4.78	59	157439	235.310	ug/l	98
12) 1,1-Dichloroethene	3.74	96	496997	48.257	ug/l	97
13) Acrolein	3.61	56	146052	240.742	ug/l	98
14) Allyl chloride	4.33	41	772642	48.433	ug/l	98
15) Acrylonitrile	4.98	53	892176	240.024	ug/l	99
16) Acetone	3.81	43	477680	222.178	ug/l	97
17) Carbon Disulfide	4.06	76	1431599	42.623	ug/l	99
18) Methyl Acetate	4.32	43	451407	46.333	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1352396	49.069	ug/l	100
20) Methylene Chloride	4.55	84	568000	48.431	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	529359	47.839	ug/l	98
22) Diisopropyl ether	5.95	45	1707156	50.134	ug/l	98
23) Vinyl Acetate	5.89	43	4974069	254.029	ug/l	98
24) 1,1-Dichloroethane	5.85	63	990574	48.955	ug/l	99
25) 2-Butanone	6.83	43	886699	245.745	ug/l	97
26) 2,2-Dichloropropane	6.83	77	759593	49.177	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	614506	49.054	ug/l	100
28) Bromochloromethane	7.19	49	443069	50.533	ug/l	94
29) Tetrahydrofuran	7.21	42	657827	244.104	ug/l	98
30) Chloroform	7.37	83	974256	49.014	ug/l	100
31) Cyclohexane	7.65	56	950023	50.062	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	815019	48.132	ug/l	99
36) 1,1-Dichloropropene	7.79	75	776812	50.574	ug/l	100
37) Ethyl Acetate	6.93	43	442447	51.600	ug/l	99
38) Carbon Tetrachloride	7.77	117	705237	50.093	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	945157	50.654	ug/l	99
40) Benzene	8.04	78	2302841	50.404	ug/l	100
41) Methacrylonitrile	7.17	41	249423	50.345	ug/l	97
42) 1,2-Dichloroethane	8.12	62	676853	50.149	ug/l	98
43) Isopropyl Acetate	8.16	43	815788	49.146	ug/l	97
44) Trichloroethene	8.83	130	655516	49.605	ug/l	97
45) 1,2-Dichloropropane	9.12	63	609600	51.226	ug/l	99
46) Dibromomethane	9.21	93	345428	49.828	ug/l	97
47) Bromodichloromethane	9.40	83	742337	50.376	ug/l	99
48) Methyl methacrylate	9.20	41	415313	49.914	ug/l	99
49) 1,4-Dioxane	9.20	88	107777	1023.999	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2141240	257.862	ug/l	99
52) Toluene	10.16	92	1460763	51.584	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	768814	49.615	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	906470	50.965	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	500987	50.710	ug/l	99
56) Ethyl methacrylate	10.43	69	668438	51.118	ug/l	98
57) 1,3-Dichloropropane	10.71	76	864093	51.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1826765	254.465	ug/l	98
59) 2-Hexanone	10.75	43	1482913	263.947	ug/l	98
60) Dibromochloromethane	10.90	129	566641	50.107	ug/l	100
61) 1,2-Dibromoethane	11.01	107	505735	50.404	ug/l	99
64) Tetrachloroethene	10.63	164	745682	47.377	ug/l	98
65) Chlorobenzene	11.43	112	1628816	50.570	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	559744	49.974	ug/l	99
67) Ethyl Benzene	11.51	91	2833110	51.147	ug/l	100
68) m/p-Xylenes	11.62	106	2180756	103.562	ug/l	99
69) o-Xylene	11.95	106	1056697	52.295	ug/l	100
70) Styrene	11.96	104	1748273	53.061	ug/l	99
71) Bromoform	12.13	173	388967	48.071	ug/l #	100
73) Isopropylbenzene	12.25	105	2821009	50.213	ug/l	100
74) N-amyl acetate	12.07	43	763593	48.955	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	559146	50.730	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	506417m	41.895	ug/l	
77) Bromobenzene	12.53	156	725605	49.686	ug/l	97
78) n-propylbenzene	12.59	91	3262087	50.982	ug/l	99
79) 2-Chlorotoluene	12.67	91	1898499	47.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2310241	50.450	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	177976	47.456	ug/l	97
82) 4-Chlorotoluene	12.77	91	1952810	50.298	ug/l	99
83) tert-Butylbenzene	12.99	119	2011759	49.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2348694	51.020	ug/l	100
85) sec-Butylbenzene	13.17	105	2714265	49.549	ug/l	100
86) p-Isopropyltoluene	13.29	119	2385070	50.388	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1292914	50.021	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1285977	49.130	ug/l	100
89) n-Butylbenzene	13.62	91	2002120	49.166	ug/l	99
90) Hexachloroethane	13.88	117	354704	48.832	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1219508	50.132	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88920	46.659	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	641161	49.751	ug/l	99
94) Hexachlorobutadiene	15.01	225	383451	57.917	ug/l	99
95) Naphthalene	15.13	128	1309629	46.471	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	559610	48.236	ug/l	99

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

