

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051488.D
 Acq On : 25 Sep 2018 17:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:53:33 AM

Quant Time: Sep 26 04:27:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	524476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	712337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	350062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	318929	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.59	113	285170	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.09	98	1061585	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	355967	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	219959	44.953	ug/l	100
3) Chloromethane	2.06	50	372171	47.780	ug/l	98
4) Vinyl Chloride	2.18	62	402263	46.791	ug/l	98
5) Bromomethane	2.56	94	247488	48.040	ug/l	100
6) Chloroethane	2.70	64	256664	47.912	ug/l	99
7) Trichlorofluoromethane	3.01	101	535461	47.551	ug/l	100
8) Diethyl Ether	3.41	74	165016	46.582	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	296673	46.682	ug/l	99
10) Methyl Iodide	3.95	142	379171	44.941	ug/l	97
11) Tert butyl alcohol	4.79	59	94497	254.850	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	255030	43.704	ug/l	97
13) Acrolein	3.61	56	76165	206.857	ug/l	99
14) Allyl chloride	4.32	41	457792	46.759	ug/l	99
15) Acrylonitrile	4.99	53	495285	245.547	ug/l	100
16) Acetone	3.82	43	374563	257.241	ug/l	98
17) Carbon Disulfide	4.05	76	708723	41.339	ug/l	100
18) Methyl Acetate	4.33	43	255125	50.987	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	757991	50.373	ug/l	99
20) Methylene Chloride	4.55	84	303247	46.644	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	281464	47.150	ug/l	98
22) Diisopropyl ether	5.95	45	992304	52.434	ug/l	98
23) Vinyl Acetate	5.90	43	3171344	255.248	ug/l	99
24) 1,1-Dichloroethane	5.85	63	564462	49.989	ug/l	99
25) 2-Butanone	6.84	43	573764	255.148	ug/l	100
26) 2,2-Dichloropropane	6.83	77	466737	52.952	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	322297	49.205	ug/l	98
28) Bromochloromethane	7.19	49	272218	52.205	ug/l	98
29) Tetrahydrofuran	7.21	42	381176	267.481	ug/l	99
30) Chloroform	7.37	83	567830	50.751	ug/l	100
31) Cyclohexane	7.65	56	490536	47.416	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	485019	50.707	ug/l	100
36) 1,1-Dichloropropene	7.79	75	417405	50.601	ug/l	99
37) Ethyl Acetate	6.93	43	251891	53.109	ug/l	99
38) Carbon Tetrachloride	7.77	117	432636	50.143	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	484880	50.283	ug/l	98
40) Benzene	8.04	78	1252477	51.711	ug/l	99
41) Methacrylonitrile	7.18	41	139095	53.010	ug/l	97
42) 1,2-Dichloroethane	8.12	62	412365	53.170	ug/l	99
43) Isopropyl Acetate	8.17	43	445933	51.995	ug/l #	88
44) Trichloroethene	8.84	130	321969	50.047	ug/l	100
45) 1,2-Dichloropropane	9.12	63	342978	52.093	ug/l	100
46) Dibromomethane	9.21	93	195672	52.599	ug/l	99
47) Bromodichloromethane	9.40	83	432896	52.584	ug/l	100
48) Methyl methacrylate	9.20	41	229387	53.647	ug/l	98
49) 1,4-Dioxane	9.20	88	55993	1068.498	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1278231	271.001	ug/l	99
52) Toluene	10.16	92	775533	51.522	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	431133	51.873	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	498034	51.671	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	280537	52.735	ug/l	99
56) Ethyl methacrylate	10.43	69	350934	53.956	ug/l	99
57) 1,3-Dichloropropane	10.71	76	478981	52.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	870007	247.402	ug/l	99
59) 2-Hexanone	10.75	43	850766	278.241	ug/l	99
60) Dibromochloromethane	10.90	129	326585	52.032	ug/l	99
61) 1,2-Dibromoethane	11.00	107	267688	51.835	ug/l	99
64) Tetrachloroethene	10.63	164	304686	51.216	ug/l	99
65) Chlorobenzene	11.43	112	840503	49.976	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	324348	50.620	ug/l	99
67) Ethyl Benzene	11.51	91	1440286	50.816	ug/l	99
68) m/p-Xylenes	11.62	106	1129022	102.982	ug/l	99
69) o-Xylene	11.95	106	543374	51.556	ug/l	99
70) Styrene	11.96	104	879204	52.644	ug/l	100
71) Bromoform	12.13	173	222904	51.268	ug/l	99
73) Isopropylbenzene	12.25	105	1472406	49.851	ug/l	100
74) N-amyl acetate	12.07	43	381593	51.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	344009	49.947	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	301025m	51.800	ug/l	
77) Bromobenzene	12.53	156	362795	48.521	ug/l	99
78) n-propylbenzene	12.59	91	1707979	51.309	ug/l	99
79) 2-Chlorotoluene	12.67	91	1003583	50.366	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1242864	51.605	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	95775	50.678	ug/l	98
82) 4-Chlorotoluene	12.77	91	1014184	50.996	ug/l	99
83) tert-Butylbenzene	12.99	119	1079744	50.369	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1264703	52.112	ug/l	100
85) sec-Butylbenzene	13.17	105	1496455	51.601	ug/l	99
86) p-Isopropyltoluene	13.29	119	1305452	52.023	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	652293	50.413	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	628762	50.503	ug/l	99
89) n-Butylbenzene	13.61	91	1094182	53.026	ug/l	100
90) Hexachloroethane	13.87	117	243481	48.698	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	629040	50.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53278	54.204	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	314943	46.946	ug/l	99
94) Hexachlorobutadiene	15.01	225	241439	50.829	ug/l	99
95) Naphthalene	15.13	128	559236	44.099	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	306711	50.908	ug/l	97

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

