

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052617.D
 Acq On : 30 Nov 2018 19:48
 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
 12/3/2018 10:49:47 AM

Quant Time: Dec 01 02:39:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1069975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1678260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1491492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	690320	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	550770	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	7.59	113	495604	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.09	98	1902386	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
62) 4-Bromofluorobenzene	12.40	95	654449	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	424434	42.365	ug/l	98
3) Chloromethane	2.06	50	555690	42.020	ug/l	99
4) Vinyl Chloride	2.19	62	582291	42.863	ug/l	99
5) Bromomethane	2.57	94	338865	39.978	ug/l	100
6) Chloroethane	2.71	64	354728	43.108	ug/l	99
7) Trichlorofluoromethane	3.02	101	748378	44.848	ug/l	98
8) Diethyl Ether	3.41	74	288586	46.831	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	469352	45.076	ug/l	99
10) Methyl Iodide	3.96	142	712073	51.346	ug/l	99
11) Tert butyl alcohol	4.78	59	156197	267.811	ug/l	98
12) 1,1-Dichloroethene	3.74	96	448803	44.778	ug/l	99
13) Acrolein	3.61	56	178876	184.910	ug/l	99
14) Allyl chloride	4.33	41	774322	44.825	ug/l	98
15) Acrylonitrile	4.99	53	887503	240.388	ug/l	99
16) Acetone	3.81	43	610679	198.735	ug/l	99
17) Carbon Disulfide	4.06	76	1282743	40.668	ug/l	99
18) Methyl Acetate	4.33	43	432314	49.047	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1293310	48.498	ug/l	98
20) Methylene Chloride	4.55	84	521362	43.357	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	486590	45.456	ug/l	95
22) Diisopropyl ether	5.95	45	1670621	46.041	ug/l	99
23) Vinyl Acetate	5.90	43	5413322	239.522	ug/l	99
24) 1,1-Dichloroethane	5.85	63	943777	45.554	ug/l	100
25) 2-Butanone	6.83	43	995795	228.634	ug/l	96
26) 2,2-Dichloropropane	6.83	77	639545	44.598	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	570550	45.756	ug/l	98
28) Bromochloromethane	7.20	49	435295	46.001	ug/l	96
29) Tetrahydrofuran	7.21	42	664175	236.427	ug/l	99
30) Chloroform	7.37	83	929633	44.975	ug/l	99
31) Cyclohexane	7.66	56	863193	42.995	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	764317	46.670	ug/l	99
36) 1,1-Dichloropropene	7.79	75	709591	44.774	ug/l	98
37) Ethyl Acetate	6.93	43	448876	46.409	ug/l	99
38) Carbon Tetrachloride	7.77	117	666387	46.448	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	848351	44.041	ug/l	98
40) Benzene	8.04	78	2140422	45.318	ug/l	100
41) Methacrylonitrile	7.17	41	256254	48.461	ug/l	97
42) 1,2-Dichloroethane	8.12	62	657304	45.962	ug/l	99
43) Isopropyl Acetate	8.17	43	839495	51.289	ug/l	97
44) Trichloroethene	8.84	130	556242	45.978	ug/l	99
45) 1,2-Dichloropropane	9.12	63	573810	45.697	ug/l	100
46) Dibromomethane	9.21	93	328901	47.315	ug/l	99
47) Bromodichloromethane	9.40	83	705199	46.661	ug/l	98
48) Methyl methacrylate	9.20	41	414950	48.619	ug/l	99
49) 1,4-Dioxane	9.20	88	95778	1081.303	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2283206	248.616	ug/l	100
52) Toluene	10.16	92	1314565	46.845	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	710216	48.847	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	834045	47.869	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	473009	47.920	ug/l	100
56) Ethyl methacrylate	10.43	69	632430	46.348	ug/l	99
57) 1,3-Dichloropropane	10.71	76	817548	46.907	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1749054	244.194	ug/l	99
59) 2-Hexanone	10.75	43	1529851	248.206	ug/l	99
60) Dibromochloromethane	10.90	129	524101	48.886	ug/l	99
61) 1,2-Dibromoethane	11.01	107	473799	48.328	ug/l	99
64) Tetrachloroethene	10.63	164	536991	46.437	ug/l	99
65) Chlorobenzene	11.44	112	1437405	46.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	508975	47.597	ug/l	99
67) Ethyl Benzene	11.51	91	2532022	47.014	ug/l	100
68) m/p-Xylenes	11.62	106	1904205	94.976	ug/l	99
69) o-Xylene	11.95	106	933355	47.939	ug/l	99
70) Styrene	11.96	104	1519508	49.000	ug/l	100
71) Bromoform	12.13	173	356042	50.286	ug/l	99
73) Isopropylbenzene	12.25	105	2494036	46.050	ug/l	100
74) N-amyl acetate	12.07	43	713710	52.161	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	574687	46.646	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	487470m	45.793	ug/l	
77) Bromobenzene	12.53	156	620286	46.336	ug/l	99
78) n-propylbenzene	12.59	91	2857244	46.438	ug/l	100
79) 2-Chlorotoluene	12.68	91	1665406	45.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2008224	46.492	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	159547	50.052	ug/l	99
82) 4-Chlorotoluene	12.77	91	1694246	45.881	ug/l	100
83) tert-Butylbenzene	12.99	119	1767778	45.907	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2029580	46.885	ug/l	100
85) sec-Butylbenzene	13.17	105	2401106	45.780	ug/l	99
86) p-Isopropyltoluene	13.29	119	2076524	46.483	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1090248	46.559	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1075804	46.642	ug/l	100
89) n-Butylbenzene	13.62	91	1764765	47.501	ug/l	100
90) Hexachloroethane	13.88	117	342846	45.326	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1057832	47.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88203	50.057	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	555092	45.560	ug/l	100
94) Hexachlorobutadiene	15.01	225	316460	43.970	ug/l	99
95) Naphthalene	15.13	128	1199688	46.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	512558	45.733	ug/l	99

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

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