

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052707.D
 Acq On : 6 Dec 2018 19:06
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:12:56 PM

Quant Time: Dec 07 07:22:58 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	911295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1420496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1273939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	602675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	522480	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.59	113	474257	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
50) Toluene-d8	10.09	98	1792675	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.40	95	621171	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	373067	43.722	ug/l	98
3) Chloromethane	2.06	50	488734	43.392	ug/l	100
4) Vinyl Chloride	2.19	62	510036	44.082	ug/l	99
5) Bromomethane	2.57	94	278577	38.588	ug/l	99
6) Chloroethane	2.71	64	313874	44.785	ug/l	100
7) Trichlorofluoromethane	3.02	101	675709	47.544	ug/l	97
8) Diethyl Ether	3.41	74	264884	50.469	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	432599	48.780	ug/l	99
10) Methyl Iodide	3.96	142	602128	50.978	ug/l	99
11) Tert butyl alcohol	4.78	59	135527	272.833	ug/l	100
12) 1,1-Dichloroethene	3.74	96	404785	47.419	ug/l	99
13) Acrolein	3.61	56	198713	230.168	ug/l	99
14) Allyl chloride	4.33	41	719949	48.934	ug/l	99
15) Acrylonitrile	4.99	53	823538	261.904	ug/l	100
16) Acetone	3.81	43	610904	233.426	ug/l	99
17) Carbon Disulfide	4.06	76	1085360	40.402	ug/l	100
18) Methyl Acetate	4.33	43	416929	55.538	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1181770	52.032	ug/l	100
20) Methylene Chloride	4.55	84	487558	47.606	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	436079	47.831	ug/l	95
22) Diisopropyl ether	5.95	45	1556745	50.373	ug/l	99
23) Vinyl Acetate	5.90	43	4894260	254.263	ug/l	100
24) 1,1-Dichloroethane	5.85	63	873472	49.502	ug/l	99
25) 2-Butanone	6.84	43	933950	251.773	ug/l	97
26) 2,2-Dichloropropane	6.82	77	613594	50.239	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	524603	49.396	ug/l	99
28) Bromochloromethane	7.19	49	403617	50.080	ug/l	95
29) Tetrahydrofuran	7.21	42	616830	257.807	ug/l	99
30) Chloroform	7.37	83	861583	48.941	ug/l	100
31) Cyclohexane	7.65	56	768398	44.955	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	705404	50.573	ug/l	99
36) 1,1-Dichloropropene	7.79	75	644576	48.052	ug/l	99
37) Ethyl Acetate	6.93	43	415939	50.808	ug/l	99
38) Carbon Tetrachloride	7.78	117	606848	49.974	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	754711	46.289	ug/l	99
40) Benzene	8.04	78	1975179	49.408	ug/l	99
41) Methacrylonitrile	7.17	41	238342	53.253	ug/l	97
42) 1,2-Dichloroethane	8.13	62	614326	50.752	ug/l	100
43) Isopropyl Acetate	8.16	43	749878	54.127	ug/l	99
44) Trichloroethene	8.84	130	512051	50.005	ug/l	99
45) 1,2-Dichloropropane	9.12	63	532902	50.140	ug/l	100
46) Dibromomethane	9.21	93	303997	51.668	ug/l	98
47) Bromodichloromethane	9.40	83	660168	51.607	ug/l	99
48) Methyl methacrylate	9.20	41	378406	52.382	ug/l	99
49) 1,4-Dioxane	9.20	88	81887	1092.234	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2095797	269.621	ug/l	100
52) Toluene	10.16	92	1210235	50.953	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	652108	52.990	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	770196	52.226	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	443580	53.093	ug/l	99
56) Ethyl methacrylate	10.43	69	579077	49.918	ug/l	99
57) 1,3-Dichloropropane	10.71	76	765812	51.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1590451	262.344	ug/l	98
59) 2-Hexanone	10.75	43	1411024	270.469	ug/l	100
60) Dibromochloromethane	10.90	129	490435	54.047	ug/l	99
61) 1,2-Dibromoethane	11.01	107	430276	51.852	ug/l	99
64) Tetrachloroethene	10.63	164	505186	51.147	ug/l	99
65) Chlorobenzene	11.44	112	1332083	50.710	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	479576	52.506	ug/l	100
67) Ethyl Benzene	11.51	91	2331549	50.685	ug/l	99
68) m/p-Xylenes	11.62	106	1739026	101.549	ug/l	99
69) o-Xylene	11.95	106	860764	51.760	ug/l	99
70) Styrene	11.96	104	1413083	53.350	ug/l	99
71) Bromoform	12.13	173	332647	55.005	ug/l #	99
73) Isopropylbenzene	12.25	105	2303878	48.725	ug/l	100
74) N-amyl acetate	12.07	43	625696	52.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	530821	49.351	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	452093m	48.646	ug/l	
77) Bromobenzene	12.53	156	578109	49.465	ug/l	99
78) n-propylbenzene	12.59	91	2631897	48.996	ug/l	99
79) 2-Chlorotoluene	12.68	91	1550334	48.466	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1857765	49.264	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145960	52.449	ug/l	99
82) 4-Chlorotoluene	12.77	91	1559538	48.374	ug/l	99
83) tert-Butylbenzene	12.99	119	1648144	49.024	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1874064	49.588	ug/l	99
85) sec-Butylbenzene	13.17	105	2249499	49.126	ug/l	100
86) p-Isopropyltoluene	13.29	119	1924111	49.335	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1010865	49.447	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	987525	49.041	ug/l	99
89) n-Butylbenzene	13.62	91	1622183	50.013	ug/l	100
90) Hexachloroethane	13.88	117	329354	49.874	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	987667	50.568	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79221	51.497	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	498492	46.783	ug/l	99
94) Hexachlorobutadiene	15.01	225	302680	48.171	ug/l	99
95) Naphthalene	15.13	128	1040008	46.120	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	466789	47.589	ug/l	100

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

