

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054091.D
 Acq On : 5 Mar 2019 11:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:15:28 AM

Quant Time: Mar 06 02:43:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	713797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1080387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	954629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	446611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	390442	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
35) Dibromofluoromethane	7.59	113	349637	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.09	98	1317396	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	442653	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	290989	44.296	ug/l	100
3) Chloromethane	2.06	50	400467	43.949	ug/l	100
4) Vinyl Chloride	2.19	62	407136	44.594	ug/l	99
5) Bromomethane	2.57	94	256032	42.344	ug/l	100
6) Chloroethane	2.71	64	242950	42.788	ug/l	99
7) Trichlorofluoromethane	3.02	101	521063	44.674	ug/l	99
8) Diethyl Ether	3.41	74	199600	45.677	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	342897	46.548	ug/l	95
10) Methyl Iodide	3.95	142	459337	47.455	ug/l	98
11) Tert butyl alcohol	4.77	59	119920	226.078	ug/l	99
12) 1,1-Dichloroethene	3.74	96	315031	44.709	ug/l	95
13) Acrolein	3.61	56	90040	163.953	ug/l	100
14) Allyl chloride	4.32	41	571980	46.282	ug/l	96
15) Acrylonitrile	4.98	53	673693	240.978	ug/l	100
16) Acetone	3.81	43	626562	284.564	ug/l	98
17) Carbon Disulfide	4.05	76	949969	41.791	ug/l	100
18) Methyl Acetate	4.32	43	294836	50.393	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	901933	47.716	ug/l	99
20) Methylene Chloride	4.55	84	368111	44.451	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	342282	44.881	ug/l	91
22) Diisopropyl ether	5.95	45	1162417	48.755	ug/l	96
23) Vinyl Acetate	5.89	43	4100362	239.065	ug/l	96
24) 1,1-Dichloroethane	5.85	63	667360	45.644	ug/l	98
25) 2-Butanone	6.83	43	822313	250.292	ug/l	97
26) 2,2-Dichloropropane	6.82	77	497705	47.913	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	394255	46.484	ug/l	94
28) Bromochloromethane	7.19	49	335778	50.173	ug/l	83
29) Tetrahydrofuran	7.21	42	513949	234.909	ug/l	92
30) Chloroform	7.37	83	650068	45.853	ug/l	100
31) Cyclohexane	7.65	56	623905	46.601	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	534486	45.723	ug/l	97
36) 1,1-Dichloropropene	7.79	75	510344	50.795	ug/l	97
37) Ethyl Acetate	6.93	43	340020	47.396	ug/l	97
38) Carbon Tetrachloride	7.77	117	477154	45.663	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	609954	50.368	ug/l	95
40) Benzene	8.04	78	1503981	48.727	ug/l	98
41) Methacrylonitrile	7.18	41	191150	41.379	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	468251	49.002	ug/l	97
43) Isopropyl Acetate	8.16	43	575626	47.522	ug/l #	90
44) Trichloroethene	8.83	130	403120	49.264	ug/l	96
45) 1,2-Dichloropropane	9.12	63	408537	49.060	ug/l	99
46) Dibromomethane	9.21	93	233682	48.337	ug/l	93
47) Bromodichloromethane	9.40	83	499573	49.034	ug/l	100
48) Methyl methacrylate	9.20	41	286414	51.406	ug/l	93
49) 1,4-Dioxane	9.20	88	75748	1003.776	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1625754	261.190	ug/l	97
52) Toluene	10.16	92	911210	50.136	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	509450	51.391	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	594680	50.886	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	333559	49.143	ug/l	99
56) Ethyl methacrylate	10.43	69	417095	46.988	ug/l	91
57) 1,3-Dichloropropane	10.71	76	576043	50.229	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	946589	229.625	ug/l	96
59) 2-Hexanone	10.75	43	1078461	266.402	ug/l	94
60) Dibromochloromethane	10.90	129	367319	48.694	ug/l	100
61) 1,2-Dibromoethane	11.00	107	322156	49.202	ug/l	98
64) Tetrachloroethene	10.63	164	394540	48.807	ug/l	97
65) Chlorobenzene	11.43	112	989055	49.092	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	356797	49.138	ug/l	99
67) Ethyl Benzene	11.51	91	1705595	50.498	ug/l	98
68) m/p-Xylenes	11.62	106	1305120	102.382	ug/l	96
69) o-Xylene	11.95	106	628870	50.207	ug/l	97
70) Styrene	11.96	104	1022401	53.069	ug/l	99
71) Bromoform	12.13	173	252763	50.038	ug/l #	99
73) Isopropylbenzene	12.25	105	1674589	48.168	ug/l	99
74) N-amyl acetate	12.07	43	457019	50.156	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	399309	45.931	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	325291m	45.404	ug/l	
77) Bromobenzene	12.53	156	413349	46.829	ug/l	90
78) n-propylbenzene	12.59	91	1985294	50.213	ug/l	98
79) 2-Chlorotoluene	12.67	91	1148337	48.349	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1430757	50.270	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	106922	47.169	ug/l	93
82) 4-Chlorotoluene	12.77	91	1160405	49.434	ug/l	97
83) tert-Butylbenzene	12.99	119	1223062	48.587	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1454137	51.176	ug/l	98
85) sec-Butylbenzene	13.17	105	1723992	50.144	ug/l	98
86) p-Isopropyltoluene	13.29	119	1499599	51.594	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	752333	49.271	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	739131	49.894	ug/l	99
89) n-Butylbenzene	13.62	91	1329975	54.296	ug/l	98
90) Hexachloroethane	13.87	117	261663	46.458	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	725018	49.051	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58842	47.895	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	397936	48.544	ug/l	98
94) Hexachlorobutadiene	15.01	225	269437	50.463	ug/l	99
95) Naphthalene	15.13	128	770379	43.978	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	376965	47.941	ug/l	98

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

