

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 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
 8/16/2018 1:18:21 PM

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	395466	45.19	ug/l	0.00
Spiked Amount						
			Recovery	=	90.38%	
35) Dibromofluoromethane	7.59	113	373243	48.80	ug/l	0.00
Spiked Amount						
			Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1424657	49.49	ug/l	0.00
Spiked Amount						
			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	474183	49.86	ug/l	0.00
Spiked Amount						
			Recovery	=	99.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	352783	45.07	ug/l	99
3) Chloromethane	2.06	50	446607	46.80	ug/l	99
4) Vinyl Chloride	2.19	62	465111	44.73	ug/l	99
5) Bromomethane	2.56	94	270226	48.29	ug/l	97
6) Chloroethane	2.70	64	281791	48.73	ug/l	100
7) Trichlorofluoromethane	3.01	101	610957	44.78	ug/l	100
8) Diethyl Ether	3.41	74	202319	44.58	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	383700	46.51	ug/l	99
10) Methyl Iodide	3.95	142	278076	47.78	ug/l	100
11) Tert butyl alcohol	4.79	59	102190	213.86	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	342318	45.44	ug/l	97
13) Acrolein	3.61	56	36389	197.79	ug/l	99
14) Allyl chloride	4.32	41	543541	46.39	ug/l	100
15) Acrylonitrile	4.99	53	584662	222.78	ug/l	99
16) Acetone	3.82	43	568496	260.24	ug/l	98
17) Carbon Disulfide	4.05	76	1079967	45.56	ug/l	100
18) Methyl Acetate	4.33	43	277117	44.99	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	901391	47.02	ug/l	100
20) Methylene Chloride	4.55	84	399729	48.01	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	378812	46.38	ug/l	99
22) Diisopropyl ether	5.95	45	1170058	48.70	ug/l	98
23) Vinyl Acetate	5.90	43	3821187	243.15	ug/l	99
24) 1,1-Dichloroethane	5.85	63	698134	44.91	ug/l	99
25) 2-Butanone	6.84	43	838450	233.68	ug/l	99
26) 2,2-Dichloropropane	6.82	77	567883	54.58	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	420900	46.28	ug/l	98
28) Bromochloromethane	7.19	49	331998	46.93	ug/l	99
29) Tetrahydrofuran	7.21	42	428816	228.89	ug/l	100
30) Chloroform	7.37	83	701440	44.53	ug/l	100
31) Cyclohexane	7.65	56	637367	48.03	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	599563	45.22	ug/l	100
36) 1,1-Dichloropropene	7.79	75	548837	51.46	ug/l	100
37) Ethyl Acetate	6.93	43	299784	49.73	ug/l	100
38) Carbon Tetrachloride	7.77	117	540750	48.87	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	618555	56.02	ug/l	98
40) Benzene	8.04	78	1643350	50.65	ug/l	100
41) Methacrylonitrile	7.17	41	160610	49.28	ug/l	99
42) 1,2-Dichloroethane	8.12	62	485722	48.84	ug/l	100
43) Isopropyl Acetate	8.17	43	519814	47.31	ug/l	98
44) Trichloroethene	8.84	130	429118	49.37	ug/l	99
45) 1,2-Dichloropropane	9.12	63	425550	49.27	ug/l	100
46) Dibromomethane	9.21	93	246647	48.36	ug/l	98
47) Bromodichloromethane	9.40	83	538493	49.40	ug/l	99
48) Methyl methacrylate	9.20	41	263384	47.64	ug/l	98
49) 1,4-Dioxane	9.20	88	70472	967.64	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1843658	248.12	ug/l	100
52) Toluene	10.16	92	1010366	52.15	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	535212	52.71	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	629225	54.02	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	350469	48.43	ug/l	99
56) Ethyl methacrylate	10.43	69	428161	46.51	ug/l	98
57) 1,3-Dichloropropane	10.71	76	594599	50.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1024311	232.39	ug/l	100
59) 2-Hexanone	10.75	43	1226976	255.85	ug/l	99
60) Dibromochloromethane	10.90	129	405079	50.71	ug/l	99
61) 1,2-Dibromoethane	11.01	107	346056	50.21	ug/l	99
64) Tetrachloroethene	10.63	164	402859	48.86	ug/l	97
65) Chlorobenzene	11.43	112	1107796	50.14	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	407450	49.19	ug/l	100
67) Ethyl Benzene	11.51	91	1919863	53.81	ug/l	100
68) m/p-Xylenes	11.62	106	1488282	109.07	ug/l	100
69) o-Xylene	11.95	106	696679	53.54	ug/l	99
70) Styrene	11.96	104	1161526	50.19	ug/l	99
71) Bromoform	12.13	173	271048	49.35	ug/l #	99
73) Isopropylbenzene	12.25	105	1874191	52.11	ug/l	100
74) N-amyl acetate	12.07	43	446412	47.71	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	425858	51.05	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	337981m	45.35	ug/l	
77) Bromobenzene	12.53	156	468308	47.96	ug/l	99
78) n-propylbenzene	12.59	91	2171546	54.15	ug/l	100
79) 2-Chlorotoluene	12.67	91	1270901	50.83	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1559964	54.18	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105545	50.98	ug/l	99
82) 4-Chlorotoluene	12.77	91	1297850	52.53	ug/l	100
83) tert-Butylbenzene	12.99	119	1305852	52.24	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1586361	54.89	ug/l	100
85) sec-Butylbenzene	13.17	105	1760852	53.91	ug/l	100
86) p-Isopropyltoluene	13.29	119	1549672	55.99	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	835598	50.27	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	811463	49.19	ug/l	100
89) n-Butylbenzene	13.62	91	1251353	55.99	ug/l	99
90) Hexachloroethane	13.88	117	262840	47.23	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	793129	48.91	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57414	44.74	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	394580	47.55	ug/l	99
94) Hexachlorobutadiene	15.01	225	249152	50.11	ug/l	98
95) Naphthalene	15.13	128	758221	43.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	371296	47.85	ug/l	99

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

