

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041819\
 Data File : VN055128.D
 Acq On : 18 Apr 2019 18:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 5:47:03 PM

Quant Time: Apr 19 09:19:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	405017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	665168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	579670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245657	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	271900	50.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.00%	
35) Dibromofluoromethane	7.59	113	219221	49.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.62%	
50) Toluene-d8	10.09	98	794884	49.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	267208	51.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	204482	44.425	ug/l	100
3) Chloromethane	2.06	50	251775	41.938	ug/l	97
4) Vinyl Chloride	2.19	62	211928	41.999	ug/l	97
5) Bromomethane	2.55	94	107639	37.706	ug/l	95
6) Chloroethane	2.69	64	116740	42.900	ug/l	98
7) Trichlorofluoromethane	3.01	101	310121	49.142	ug/l	98
8) Diethyl Ether	3.41	74	126778	62.935	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	196056	59.365	ug/l	98
10) Methyl Iodide	3.95	142	265401	51.785	ug/l	93
11) Tert butyl alcohol	4.80	59	102120	346.054	ug/l	100
12) 1,1-Dichloroethene	3.74	96	185082	57.575	ug/l	91
13) Acrolein	3.61	56	105033	287.953	ug/l	94
14) Allyl chloride	4.32	41	390094	49.575	ug/l	98
15) Acrylonitrile	4.99	53	503718	285.299	ug/l	99
16) Acetone	3.82	43	421728	288.612	ug/l	96
17) Carbon Disulfide	4.05	76	439610	42.364	ug/l	98
18) Methyl Acetate	4.33	43	247217	58.778	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	615411	53.517	ug/l	99
20) Methylene Chloride	4.55	84	230888	44.949	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	197773	45.488	ug/l	90
22) Diisopropyl ether	5.95	45	833405	51.521	ug/l	95
23) Vinyl Acetate	5.90	43	3047922	285.066	ug/l	99
24) 1,1-Dichloroethane	5.85	63	417230	48.436	ug/l	98
25) 2-Butanone	6.84	43	649864	297.985	ug/l	99
26) 2,2-Dichloropropane	6.83	77	274607	50.509	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	241059	49.007	ug/l	100
28) Bromochloromethane	7.20	49	200203	48.214	ug/l	98
29) Tetrahydrofuran	7.22	42	419733	293.490	ug/l	99
30) Chloroform	7.37	83	403309	48.201	ug/l	100
31) Cyclohexane	7.65	56	364919	47.864	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	327546	49.410	ug/l	99
36) 1,1-Dichloropropene	7.79	75	285544	45.538	ug/l	100
37) Ethyl Acetate	6.93	43	273268	53.531	ug/l	99
38) Carbon Tetrachloride	7.78	117	272034	45.599	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	300532	44.230	ug/l	97
40) Benzene	8.04	78	894688	47.342	ug/l	100
41) Methacrylonitrile	7.18	41	148026	52.237	ug/l	97
42) 1,2-Dichloroethane	8.13	62	316769	48.277	ug/l	100
43) Isopropyl Acetate	8.17	43	460157	58.500	ug/l	99
44) Trichloroethene	8.84	130	218349	46.128	ug/l	94
45) 1,2-Dichloropropane	9.12	63	258416	49.031	ug/l	100
46) Dibromomethane	9.21	93	149180	49.728	ug/l	97
47) Bromodichloromethane	9.40	83	312222	50.481	ug/l	99
48) Methyl methacrylate	9.20	41	215957	55.391	ug/l	97
49) 1,4-Dioxane	9.20	88	51778	1417.525	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1345660	296.118	ug/l	99
52) Toluene	10.16	92	532303	49.179	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	297525	55.045	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	357353	53.269	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	212447	50.944	ug/l	98
56) Ethyl methacrylate	10.43	69	292897	58.524	ug/l	99
57) 1,3-Dichloropropane	10.71	76	366944	51.682	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	572157	259.843	ug/l	99
59) 2-Hexanone	10.75	43	852318	298.612	ug/l	100
60) Dibromochloromethane	10.90	129	219796	53.976	ug/l	100
61) 1,2-Dibromoethane	11.01	107	205344	53.499	ug/l	98
64) Tetrachloroethene	10.63	164	209007	44.341	ug/l	97
65) Chlorobenzene	11.43	112	544723	46.684	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	213054	49.645	ug/l	99
67) Ethyl Benzene	11.51	91	993019	47.656	ug/l	100
68) m/p-Xylenes	11.62	106	722685	95.777	ug/l	99
69) o-Xylene	11.95	106	359001	49.123	ug/l	99
70) Styrene	11.96	104	606077	51.233	ug/l	99
71) Bromoform	12.13	173	141312	57.448	ug/l #	99
73) Isopropylbenzene	12.25	105	947704	43.475	ug/l	99
74) N-amyl acetate	12.07	43	346092	56.400	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	275409	47.216	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	258173m	58.443	ug/l	
77) Bromobenzene	12.53	156	236701	43.555	ug/l	98
78) n-propylbenzene	12.59	91	1038993	44.115	ug/l	100
79) 2-Chlorotoluene	12.67	91	643110	43.778	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	762411	43.340	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64572	58.452	ug/l	91
82) 4-Chlorotoluene	12.77	91	619684	45.214	ug/l	99
83) tert-Butylbenzene	12.99	119	653884	44.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	752999	45.167	ug/l	100
85) sec-Butylbenzene	13.17	105	835490	44.134	ug/l	99
86) p-Isopropyltoluene	13.29	119	728938	44.882	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	380303	46.039	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	369164	46.865	ug/l	100
89) n-Butylbenzene	13.61	91	593810	49.251	ug/l	99
90) Hexachloroethane	13.87	117	119608	45.261	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	378324	45.520	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38963	54.245	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167072	44.649	ug/l	99
94) Hexachlorobutadiene	15.01	225	115458	44.977	ug/l	99
95) Naphthalene	15.13	128	391768	44.792	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	171722	53.559	ug/l	99

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

