

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057317.D
 Acq On : 15 Aug 2019 9:16
 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
 8/19/2019 1:54:02 AM

Quant Time: Aug 15 09:41:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 08:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	902268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1286336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1151524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	495420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	456728	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
35) Dibromofluoromethane	7.58	113	416599	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	1542671	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.40	95	528388	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	344372	44.355	ug/l	97
3) Chloromethane	2.05	50	373981	40.809	ug/l	97
4) Vinyl Chloride	2.18	62	380166	44.095	ug/l	98
5) Bromomethane	2.55	94	287025m	46.703	ug/l	
6) Chloroethane	2.69	64	261416	44.081	ug/l	99
7) Trichlorofluoromethane	3.02	101	611148	45.192	ug/l	99
8) Diethyl Ether	3.40	74	233046	45.786	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	367292	46.227	ug/l	98
10) Methyl Iodide	3.95	142	591841	46.601	ug/l	100
11) Tert butyl alcohol	4.76	59	289037	207.278	ug/l	100
12) 1,1-Dichloroethene	3.73	96	363883	45.966	ug/l	98
13) Acrolein	3.60	56	175056	206.796	ug/l	100
14) Allyl chloride	4.31	41	565315	44.549	ug/l	99
15) Acrylonitrile	4.97	53	811525	214.362	ug/l	100
16) Acetone	3.80	43	888322	261.072	ug/l	96
17) Carbon Disulfide	4.05	76	967274	45.354	ug/l	99
18) Methyl Acetate	4.31	43	393845	42.979	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1127771	45.401	ug/l	99
20) Methylene Chloride	4.54	84	409057	42.967	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	395125	46.413	ug/l	97
22) Diisopropyl ether	5.93	45	1135321	45.290	ug/l	98
23) Vinyl Acetate	5.88	43	4524103	224.246	ug/l	98
24) 1,1-Dichloroethane	5.84	63	695164	45.075	ug/l	99
25) 2-Butanone	6.82	43	1126508	228.625	ug/l	94
26) 2,2-Dichloropropane	6.81	77	609306	48.885	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	455514	45.196	ug/l	99
28) Bromochloromethane	7.18	49	340907	49.750	ug/l #	98
29) Tetrahydrofuran	7.20	42	662896	212.586	ug/l	100
30) Chloroform	7.36	83	714309	44.197	ug/l	97
31) Cyclohexane	7.64	56	583616	43.668	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	633219	46.582	ug/l	98
36) 1,1-Dichloropropene	7.78	75	541400	47.669	ug/l	98
37) Ethyl Acetate	6.91	43	421195	45.278	ug/l	99
38) Carbon Tetrachloride	7.76	117	559201	47.388	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	641105	48.342	ug/l	99
40) Benzene	8.03	78	1615945	46.517	ug/l	97
41) Methacrylonitrile	7.17	41	216619m	51.710	ug/l	
42) 1,2-Dichloroethane	8.11	62	530529	46.144	ug/l	100
43) Isopropyl Acetate	8.15	43	789362	45.967	ug/l	99
44) Trichloroethene	8.83	130	470906	48.216	ug/l	97
45) 1,2-Dichloropropane	9.11	63	420056	46.912	ug/l	99
46) Dibromomethane	9.20	93	278951	46.698	ug/l	99
47) Bromodichloromethane	9.40	83	561084	47.407	ug/l	99
48) Methyl methacrylate	9.19	41	342260	44.680	ug/l	99
49) 1,4-Dioxane	9.19	88	145849	905.382	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2090706	217.857	ug/l	100
52) Toluene	10.15	92	1023717	47.346	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	602342	47.050	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	681094	48.246	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	395138	46.475	ug/l	98
56) Ethyl methacrylate	10.43	69	583607	47.036	ug/l	98
57) 1,3-Dichloropropane	10.70	76	657685	46.305	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	802283	220.291	ug/l	99
59) 2-Hexanone	10.75	43	1567842	227.247	ug/l	99
60) Dibromochloromethane	10.90	129	462929	48.587	ug/l	98
61) 1,2-Dibromoethane	11.00	107	418603	46.218	ug/l	99
64) Tetrachloroethene	10.63	164	462216	46.432	ug/l	98
65) Chlorobenzene	11.43	112	1120569	47.712	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	435585	48.428	ug/l	99
67) Ethyl Benzene	11.51	91	1973580	48.031	ug/l	99
68) m/p-Xylenes	11.62	106	1497363	98.908	ug/l	100
69) o-Xylene	11.95	106	721224	48.520	ug/l	100
70) Styrene	11.96	104	1202298	50.742	ug/l	100
71) Bromoform	12.13	173	341796	48.168	ug/l #	99
73) Isopropylbenzene	12.25	105	1966499	49.909	ug/l	100
74) N-amyl acetate	12.07	43	590486	41.074	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	528156	47.761	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	439655m	44.876	ug/l	
77) Bromobenzene	12.53	156	511765	48.112	ug/l	99
78) n-propylbenzene	12.59	91	2113135	44.293	ug/l	100
79) 2-Chlorotoluene	12.67	91	1285487	49.250	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1662509	49.796	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	172676	42.501	ug/l	99
82) 4-Chlorotoluene	12.77	91	1251129	44.256	ug/l	99
83) tert-Butylbenzene	12.99	119	1457351	49.714	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1557118	43.637	ug/l	99
85) sec-Butylbenzene	13.17	105	1820360	48.525	ug/l	100
86) p-Isopropyltoluene	13.29	119	1622290	44.406	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	823648	47.451	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	779839	47.328	ug/l	99
89) n-Butylbenzene	13.62	91	1206549	46.326	ug/l	100
90) Hexachloroethane	13.88	117	302452	48.612	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	803060	49.629	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79413	44.951	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	354702	54.299	ug/l	98
94) Hexachlorobutadiene	15.01	225	341399	55.530	ug/l	97
95) Naphthalene	15.13	128	598047	57.233	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	317688	65.278	ug/l	99

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

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