

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059073.D
 Acq On : 4 Nov 2019 9:49
 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
 11/5/2019 1:59:58 PM

Quant Time: Nov 05 01:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	500041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	777686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	707491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	343102	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	284314	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	
35) Dibromofluoromethane	7.56	113	220469	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	
50) Toluene-d8	10.08	98	880288	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
62) 4-Bromofluorobenzene	12.40	95	318804	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	256552	47.453	ug/l	98
3) Chloromethane	2.04	50	339081	46.254	ug/l	100
4) Vinyl Chloride	2.17	62	338386	47.554	ug/l	98
5) Bromomethane	2.54	94	189173	44.967	ug/l	100
6) Chloroethane	2.68	64	199294	45.731	ug/l	100
7) Trichlorofluoromethane	3.00	101	395470	46.770	ug/l	100
8) Diethyl Ether	3.38	74	160210	48.518	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	237257	47.604	ug/l	99
10) Methyl Iodide	3.92	142	297838	49.167	ug/l	99
11) Tert butyl alcohol	4.75	59	267602	218.333	ug/l	98
12) 1,1-Dichloroethene	3.71	96	234422	47.295	ug/l	99
13) Acrolein	3.58	56	171997	222.394	ug/l	98
14) Allyl chloride	4.29	41	471768	48.033	ug/l	99
15) Acrylonitrile	4.95	53	723572	235.338	ug/l	99
16) Acetone	3.79	43	906652	270.426	ug/l	100
17) Carbon Disulfide	4.02	76	726723	46.118	ug/l	100
18) Methyl Acetate	4.29	43	368209	43.352	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	813127	48.166	ug/l	99
20) Methylene Chloride	4.52	84	270386	46.068	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	251487	47.262	ug/l	98
22) Diisopropyl ether	5.92	45	927747	49.591	ug/l	99
23) Vinyl Acetate	5.86	43	3837193	257.524	ug/l	100
24) 1,1-Dichloroethane	5.81	63	502418	46.974	ug/l	100
25) 2-Butanone	6.80	43	1077595	241.383	ug/l	99
26) 2,2-Dichloropropane	6.79	77	432582	46.596	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	290405	48.469	ug/l	99
28) Bromochloromethane	7.17	49	137697	41.714	ug/l	99
29) Tetrahydrofuran	7.18	42	648769	230.271	ug/l	100
30) Chloroform	7.35	83	480757	47.005	ug/l	98
31) Cyclohexane	7.63	56	466742	45.751	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	410970	47.493	ug/l	99
36) 1,1-Dichloropropene	7.77	75	378999	49.034	ug/l	99
37) Ethyl Acetate	6.90	43	401290	46.727	ug/l	99
38) Carbon Tetrachloride	7.75	117	365251	48.488	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	443217	49.611	ug/l	98
40) Benzene	8.02	78	1116514	48.675	ug/l	99
41) Methacrylonitrile	7.15	41	193359m	52.069	ug/l	
42) 1,2-Dichloroethane	8.10	62	384081	48.213	ug/l	99
43) Isopropyl Acetate	8.14	43	634089	47.214	ug/l	98
44) Trichloroethene	8.82	130	274311	48.604	ug/l	96
45) 1,2-Dichloropropane	9.10	63	303950	48.996	ug/l	99
46) Dibromomethane	9.19	93	184221	48.049	ug/l	99
47) Bromodichloromethane	9.39	83	378533	48.750	ug/l	100
48) Methyl methacrylate	9.18	41	294418	48.079	ug/l	99
49) 1,4-Dioxane	9.18	88	103079	1031.931	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1970819	252.612	ug/l	99
52) Toluene	10.14	92	679647	50.567	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	441364	49.157	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	480075	50.692	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	263582	48.142	ug/l	99
56) Ethyl methacrylate	10.42	69	420027	45.399	ug/l	99
57) 1,3-Dichloropropane	10.70	76	469484	49.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	831177	231.559	ug/l	100
59) 2-Hexanone	10.74	43	1527211	257.671	ug/l	100
60) Dibromochloromethane	10.90	129	287596	48.741	ug/l	98
61) 1,2-Dibromoethane	11.00	107	272340	49.101	ug/l	100
64) Tetrachloroethene	10.62	164	238062	48.170	ug/l	99
65) Chlorobenzene	11.43	112	711042	48.968	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	261846	49.014	ug/l	99
67) Ethyl Benzene	11.51	91	1303126	51.842	ug/l	100
68) m/p-Xylenes	11.62	106	971261	103.476	ug/l	100
69) o-Xylene	11.95	106	462737	51.627	ug/l	99
70) Styrene	11.96	104	767618	52.849	ug/l	100
71) Bromoform	12.13	173	206529	49.945	ug/l	98
73) Isopropylbenzene	12.25	105	1253801	49.673	ug/l	100
74) N-amyl acetate	12.07	43	542404	48.308	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	400542	44.547	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	356372m	43.893	ug/l	
77) Bromobenzene	12.53	156	299962	47.528	ug/l	99
78) n-propylbenzene	12.59	91	1490492	50.985	ug/l	100
79) 2-Chlorotoluene	12.67	91	879250	48.437	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1079590	50.325	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	148684	46.945	ug/l	98
82) 4-Chlorotoluene	12.77	91	913383	49.303	ug/l	100
83) tert-Butylbenzene	12.99	119	895154	49.121	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1075264	51.585	ug/l	100
85) sec-Butylbenzene	13.17	105	1222791	51.197	ug/l	100
86) p-Isopropyltoluene	13.29	119	1107998	51.457	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	542538	48.382	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	537326	48.442	ug/l	100
89) n-Butylbenzene	13.62	91	991858	52.864	ug/l	99
90) Hexachloroethane	13.88	117	201500	47.076	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	528653	47.379	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82686	42.575	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	310499	51.594	ug/l	100
94) Hexachlorobutadiene	15.01	225	174938	48.434	ug/l	99
95) Naphthalene	15.13	128	843375	45.261	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	304195	49.665	ug/l	100

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

