

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056091.D
 Acq On : 7 Jun 2019 11:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 3:31:31 PM

Quant Time: Jun 08 05:29:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	312907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	455691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	411734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	157571	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
35) Dibromofluoromethane	7.59	113	142219	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.09	98	543139	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	185556	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	166862	48.551	ug/l	99
3) Chloromethane	2.06	50	174729	51.513	ug/l	99
4) Vinyl Chloride	2.18	62	173563	51.012	ug/l	99
5) Bromomethane	2.53	94	106877	49.727	ug/l	98
6) Chloroethane	2.68	64	97940	49.647	ug/l	98
7) Trichlorofluoromethane	3.00	101	212707	48.971	ug/l	100
8) Diethyl Ether	3.40	74	86614	48.490	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	135649	51.411	ug/l	98
10) Methyl Iodide	3.94	142	197077	47.001	ug/l	99
11) Tert butyl alcohol	4.82	59	131970	244.087	ug/l	99
12) 1,1-Dichloroethene	3.72	96	132949	50.612	ug/l	96
13) Acrolein	3.60	56	43776	280.736	ug/l	99
14) Allyl chloride	4.31	41	208018	50.151	ug/l	99
15) Acrylonitrile	4.99	53	367049	278.883	ug/l	99
16) Acetone	3.82	43	367869	247.567	ug/l	99
17) Carbon Disulfide	4.04	76	292104	46.443	ug/l	100
18) Methyl Acetate	4.33	43	162523	55.748	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	424644	50.715	ug/l	99
20) Methylene Chloride	4.54	84	154468	50.457	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	140936	50.075	ug/l	97
22) Diisopropyl ether	5.95	45	439277	51.232	ug/l	99
23) Vinyl Acetate	5.90	43	1814991	268.798	ug/l	100
24) 1,1-Dichloroethane	5.84	63	252503	51.053	ug/l	99
25) 2-Butanone	6.84	43	515239	274.438	ug/l	100
26) 2,2-Dichloropropane	6.82	77	187462	48.573	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	166432	50.306	ug/l	98
28) Bromochloromethane	7.19	49	123183	52.666	ug/l	99
29) Tetrahydrofuran	7.22	42	315310	271.698	ug/l	99
30) Chloroform	7.37	83	254380	51.127	ug/l	99
31) Cyclohexane	7.65	56	231644	46.987	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	210327	50.622	ug/l	99
36) 1,1-Dichloropropene	7.79	75	192469	49.120	ug/l	99
37) Ethyl Acetate	6.93	43	191388	54.896	ug/l	99
38) Carbon Tetrachloride	7.77	117	179148	49.592	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	236882	48.531	ug/l	98
40) Benzene	8.04	78	601479	50.541	ug/l	100
41) Methacrylonitrile	7.17	41	84132	52.450	ug/l	89
42) 1,2-Dichloroethane	8.12	62	187701	49.033	ug/l	98
43) Isopropyl Acetate	8.17	43	294532	52.134	ug/l #	92
44) Trichloroethene	8.83	130	167384	48.947	ug/l	100
45) 1,2-Dichloropropane	9.12	63	157407	51.638	ug/l	99
46) Dibromomethane	9.21	93	102008	51.174	ug/l	98
47) Bromodichloromethane	9.40	83	183206	50.711	ug/l	100
48) Methyl methacrylate	9.20	41	148909	53.876	ug/l	96
49) 1,4-Dioxane	9.20	88	64058	1073.550	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	955041	270.326	ug/l	100
52) Toluene	10.15	92	378584	51.123	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	195988	46.449	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	230709	53.127	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	152650	52.039	ug/l	98
56) Ethyl methacrylate	10.43	69	226466	52.919	ug/l	99
57) 1,3-Dichloropropane	10.71	76	250174	52.462	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	406157	240.005	ug/l	100
59) 2-Hexanone	10.75	43	681680	266.221	ug/l	99
60) Dibromochloromethane	10.90	129	151204	46.896	ug/l	100
61) 1,2-Dibromoethane	11.00	107	158148	52.737	ug/l	100
64) Tetrachloroethene	10.63	164	167634	47.035	ug/l	98
65) Chlorobenzene	11.43	112	405009	49.425	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	145191	51.315	ug/l	100
67) Ethyl Benzene	11.51	91	705631	49.523	ug/l	99
68) m/p-Xylenes	11.62	106	539812	99.173	ug/l	99
69) o-Xylene	11.95	106	265821	49.647	ug/l	100
70) Styrene	11.96	104	442654	52.034	ug/l	99
71) Bromoform	12.13	173	106358	45.061	ug/l #	99
73) Isopropylbenzene	12.25	105	701096	53.874	ug/l	100
74) N-amyl acetate	12.07	43	245194	50.206	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	210402	49.471	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	168206m	49.896	ug/l	
77) Bromobenzene	12.53	156	188067	47.946	ug/l	97
78) n-propylbenzene	12.59	91	752202	48.531	ug/l	100
79) 2-Chlorotoluene	12.67	91	456981	53.309	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	579327	47.030	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	50869	50.251	ug/l	90
82) 4-Chlorotoluene	12.77	91	443804	48.943	ug/l	100
83) tert-Butylbenzene	12.99	119	504682	52.966	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	571406	48.916	ug/l	99
85) sec-Butylbenzene	13.17	105	653784	47.631	ug/l	100
86) p-Isopropyltoluene	13.29	119	596313	48.542	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	300362	49.476	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	288309	49.369	ug/l	100
89) n-Butylbenzene	13.61	91	456160	50.127	ug/l	100
90) Hexachloroethane	13.87	117	88102	47.556	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	299363	48.842	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32051	52.688	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	146059	43.821	ug/l	99
94) Hexachlorobutadiene	15.01	225	107663	51.268	ug/l	98
95) Naphthalene	15.13	128	388372	44.757	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	157429	45.994	ug/l	99

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

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