

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056589.D
 Acq On : 3 Jul 2019 16:41
 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
 7/8/2019 10:08:03 AM

Quant Time: Jul 03 23:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	295200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	387708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	158629	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.59	113	140180	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.09	98	518917	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	184075	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	116567	46.634	ug/l	99
3) Chloromethane	2.06	50	149895	44.042	ug/l	99
4) Vinyl Chloride	2.18	62	150293	45.720	ug/l	98
5) Bromomethane	2.52	94	85357m	44.292	ug/l	
6) Chloroethane	2.67	64	85755	45.047	ug/l	100
7) Trichlorofluoromethane	3.00	101	206925	48.663	ug/l	100
8) Diethyl Ether	3.41	74	90533	50.307	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	136283	50.257	ug/l	99
10) Methyl Iodide	3.95	142	173998	47.475	ug/l	99
11) Tert butyl alcohol	4.79	59	146791	266.388	ug/l	100
12) 1,1-Dichloroethene	3.73	96	125348	48.068	ug/l	98
13) Acrolein	3.60	56	102666	221.059	ug/l	99
14) Allyl chloride	4.32	41	226434	52.162	ug/l	99
15) Acrylonitrile	4.99	53	397180	260.538	ug/l	100
16) Acetone	3.82	43	387070	236.136	ug/l	99
17) Carbon Disulfide	4.05	76	245345	41.364	ug/l	100
18) Methyl Acetate	4.32	43	172389	53.761	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	452180	52.403	ug/l	99
20) Methylene Chloride	4.55	84	149287	48.281	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	134185	47.727	ug/l	100
22) Diisopropyl ether	5.95	45	497746	54.598	ug/l	96
23) Vinyl Acetate	5.89	43	2015351	280.278	ug/l	100
24) 1,1-Dichloroethane	5.84	63	269544	51.506	ug/l	99
25) 2-Butanone	6.83	43	599300	276.243	ug/l	100
26) 2,2-Dichloropropane	6.82	77	200599	55.114	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	165771	50.396	ug/l	97
28) Bromochloromethane	7.19	49	124802	48.214	ug/l	97
29) Tetrahydrofuran	7.21	42	363256	273.996	ug/l	98
30) Chloroform	7.37	83	269627	52.214	ug/l	99
31) Cyclohexane	7.65	56	235781	46.669	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	212936	52.022	ug/l	99
36) 1,1-Dichloropropene	7.79	75	193754	50.052	ug/l	100
37) Ethyl Acetate	6.93	43	213076	56.011	ug/l	99
38) Carbon Tetrachloride	7.77	117	177795	52.522	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	237874	49.800	ug/l	99
40) Benzene	8.04	78	605941	50.888	ug/l	98
41) Methacrylonitrile	7.18	41	105823	62.995	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	199736	50.828	ug/l	100
43) Isopropyl Acetate	8.17	43	340213	57.997	ug/l #	93
44) Trichloroethene	8.83	130	159432	49.705	ug/l	99
45) 1,2-Dichloropropane	9.12	63	169186	53.129	ug/l	98
46) Dibromomethane	9.21	93	103695	52.048	ug/l	99
47) Bromodichloromethane	9.40	83	200374	56.707	ug/l	96
48) Methyl methacrylate	9.20	41	167850	57.100	ug/l	96
49) 1,4-Dioxane	9.20	88	67807	1111.543	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1089399	287.734	ug/l	99
52) Toluene	10.15	92	372467	51.164	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	214547	52.008	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	245682	57.738	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	157085	53.682	ug/l	98
56) Ethyl methacrylate	10.43	69	247798	57.945	ug/l	99
57) 1,3-Dichloropropane	10.71	76	264535	53.813	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	630637	410.489	ug/l	99
59) 2-Hexanone	10.75	43	851201	305.892	ug/l	100
60) Dibromochloromethane	10.90	129	156454	51.921	ug/l	99
61) 1,2-Dibromoethane	11.00	107	158907	53.170	ug/l	100
64) Tetrachloroethene	10.63	164	148011	48.207	ug/l	99
65) Chlorobenzene	11.43	112	403227	51.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	150456	57.143	ug/l	99
67) Ethyl Benzene	11.51	91	723661	52.903	ug/l	99
68) m/p-Xylenes	11.62	106	539147	107.549	ug/l	98
69) o-Xylene	11.95	106	263911	53.213	ug/l	100
70) Styrene	11.96	104	452291	57.054	ug/l	99
71) Bromoform	12.13	173	111739	52.441	ug/l #	99
73) Isopropylbenzene	12.25	105	706475	52.552	ug/l	99
74) N-amyl acetate	12.07	43	288954	50.594	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	233423	56.329	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	202204m	54.342	ug/l	
77) Bromobenzene	12.53	156	183603	45.757	ug/l	96
78) n-propylbenzene	12.59	91	807760	49.154	ug/l	99
79) 2-Chlorotoluene	12.67	91	477163	53.110	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	601617	53.426	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63986	61.118	ug/l	94
82) 4-Chlorotoluene	12.77	91	474723	48.926	ug/l	99
83) tert-Butylbenzene	12.99	119	515363	52.508	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	599918	49.660	ug/l	99
85) sec-Butylbenzene	13.17	105	687160	47.574	ug/l	100
86) p-Isopropyltoluene	13.29	119	632331	51.011	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	315232	51.840	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	304687	51.737	ug/l	99
89) n-Butylbenzene	13.61	91	532640	56.760	ug/l	100
90) Hexachloroethane	13.87	117	93254	48.254	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	313069	51.892	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41100	61.898	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	177290	55.708	ug/l	99
94) Hexachlorobutadiene	15.01	225	109150	53.518	ug/l	99
95) Naphthalene	15.13	128	483703	57.974	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	186480	56.630	ug/l	99

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

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