

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058915.D
 Acq On : 23 Oct 2019 9:31
 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
 10/25/2019 2:44:36 PM

Quant Time: Oct 24 01:20:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	533859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	251233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	247463	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	7.57	113	177850	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.08	98	696750	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	259776	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	208449	48.220	ug/l	99
3) Chloromethane	2.04	50	245407	45.836	ug/l	99
4) Vinyl Chloride	2.17	62	243546	45.814	ug/l	99
5) Bromomethane	2.54	94	152348	45.765	ug/l	97
6) Chloroethane	2.68	64	158551	46.509	ug/l	99
7) Trichlorofluoromethane	3.00	101	316278	48.084	ug/l	100
8) Diethyl Ether	3.39	74	109812	48.311	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	175993	48.264	ug/l	99
10) Methyl Iodide	3.93	142	229922	47.941	ug/l	98
11) Tert butyl alcohol	4.75	59	189104	224.092	ug/l	99
12) 1,1-Dichloroethene	3.71	96	164437	48.109	ug/l	98
13) Acrolein	3.58	56	121469	209.492	ug/l	99
14) Allyl chloride	4.30	41	335152m	48.457	ug/l	
15) Acrylonitrile	4.95	53	521458	245.661	ug/l	99
16) Acetone	3.79	43	696175	277.051	ug/l	99
17) Carbon Disulfide	4.03	76	503977	45.773	ug/l	99
18) Methyl Acetate	4.29	43	269879	47.240	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	599574	50.096	ug/l	99
20) Methylene Chloride	4.52	84	200477	46.724	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	184301	48.825	ug/l	97
22) Diisopropyl ether	5.92	45	700765	51.799	ug/l	100
23) Vinyl Acetate	5.87	43	2954804	271.854	ug/l	100
24) 1,1-Dichloroethane	5.82	63	382355	48.742	ug/l	99
25) 2-Butanone	6.81	43	830205	254.517	ug/l	100
26) 2,2-Dichloropropane	6.80	77	332208	48.961	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	216067	50.108	ug/l	100
28) Bromochloromethane	7.17	49	129682	49.639	ug/l	99
29) Tetrahydrofuran	7.18	42	488986	245.056	ug/l	100
30) Chloroform	7.35	83	381535	48.488	ug/l	99
31) Cyclohexane	7.63	56	333818	45.679	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	326954	49.296	ug/l	100
36) 1,1-Dichloropropene	7.77	75	289282	52.928	ug/l	99
37) Ethyl Acetate	6.91	43	314451	52.801	ug/l	99
38) Carbon Tetrachloride	7.75	117	284631	50.551	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	316120	51.510	ug/l	100
40) Benzene	8.02	78	835396	52.051	ug/l	98
41) Methacrylonitrile	7.16	41	141470m	53.336	ug/l	
42) 1,2-Dichloroethane	8.11	62	319342	51.652	ug/l	99
43) Isopropyl Acetate	8.15	43	497605	52.099	ug/l	99
44) Trichloroethene	8.82	130	201720	51.595	ug/l	99
45) 1,2-Dichloropropane	9.10	63	229735	52.200	ug/l	99
46) Dibromomethane	9.19	93	145054	52.136	ug/l	98
47) Bromodichloromethane	9.39	83	302769	52.799	ug/l	99
48) Methyl methacrylate	9.18	41	231075	53.324	ug/l	99
49) 1,4-Dioxane	9.19	88	75280	1058.256	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1560759	279.767	ug/l	100
52) Toluene	10.15	92	512444	53.841	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	336886	53.069	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	361628	53.321	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	201566	51.409	ug/l	98
56) Ethyl methacrylate	10.42	69	317120	48.227	ug/l	98
57) 1,3-Dichloropropane	10.70	76	363053	52.758	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	674228	242.599	ug/l	100
59) 2-Hexanone	10.75	43	1229485	285.203	ug/l	100
60) Dibromochloromethane	10.90	129	225356	53.399	ug/l	99
61) 1,2-Dibromoethane	11.00	107	211850	52.797	ug/l	99
64) Tetrachloroethene	10.63	164	178889	49.521	ug/l	98
65) Chlorobenzene	11.43	112	536694	51.108	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206358	52.076	ug/l	98
67) Ethyl Benzene	11.51	91	999256	54.245	ug/l	97
68) m/p-Xylenes	11.62	106	743579	108.846	ug/l	99
69) o-Xylene	11.95	106	350913	53.859	ug/l	99
70) Styrene	11.96	104	592382	49.282	ug/l	100
71) Bromoform	12.13	173	158285	51.511	ug/l #	100
73) Isopropylbenzene	12.25	105	963324	52.467	ug/l	99
74) N-amyl acetate	12.07	43	436144	52.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	316885	49.084	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	272627m	46.822	ug/l	
77) Bromobenzene	12.53	156	227848	50.347	ug/l	99
78) n-propylbenzene	12.59	91	1171457	53.977	ug/l	100
79) 2-Chlorotoluene	12.68	91	687412	51.751	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	843824	54.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	110718	49.536	ug/l	99
82) 4-Chlorotoluene	12.78	91	719687	53.019	ug/l	100
83) tert-Butylbenzene	13.00	119	699099	52.997	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	855273	56.211	ug/l	100
85) sec-Butylbenzene	13.17	105	951902	54.124	ug/l	99
86) p-Isopropyltoluene	13.29	119	866226	55.820	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	428343	52.934	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	415789	51.322	ug/l	98
89) n-Butylbenzene	13.62	91	778509	54.612	ug/l	99
90) Hexachloroethane	13.88	117	158983	50.558	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	417198	52.455	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67676	46.347	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	235795	47.241	ug/l	99
94) Hexachlorobutadiene	15.01	225	127864	49.601	ug/l	99
95) Naphthalene	15.13	128	642339	44.875	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	230575	47.433	ug/l	99

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

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