

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058971.D
 Acq On : 24 Oct 2019 18:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:36:28 PM

Quant Time: Oct 25 03:16:17 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	346137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	551407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	523717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259989	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	241708	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.57	113	179942	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.08	98	701519	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	259092	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	204305	47.341	ug/l	100
3) Chloromethane	2.04	50	245552	45.941	ug/l	99
4) Vinyl Chloride	2.17	62	257255	48.474	ug/l	99
5) Bromomethane	2.54	94	138288	41.611	ug/l	99
6) Chloroethane	2.68	64	160728	47.227	ug/l	98
7) Trichlorofluoromethane	3.00	101	314083	47.831	ug/l	99
8) Diethyl Ether	3.39	74	114831	50.604	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	176012	48.350	ug/l	99
10) Methyl Iodide	3.93	142	198898	41.542	ug/l	99
11) Tert butyl alcohol	4.75	59	201487	239.169	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	167719	49.152	ug/l	99
13) Acrolein	3.58	56	75527	130.478	ug/l	98
14) Allyl chloride	4.30	41	346376m	50.165	ug/l	
15) Acrylonitrile	4.96	53	560735	264.610	ug/l	99
16) Acetone	3.79	43	549669	219.116	ug/l	100
17) Carbon Disulfide	4.03	76	490764	44.648	ug/l	99
18) Methyl Acetate	4.30	43	294664	51.666	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	628235	52.580	ug/l	98
20) Methylene Chloride	4.53	84	206471	48.202	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	187569	49.775	ug/l	96
22) Diisopropyl ether	5.93	45	729470	54.012	ug/l	96
23) Vinyl Acetate	5.87	43	3074676	283.360	ug/l	100
24) 1,1-Dichloroethane	5.82	63	391847	50.037	ug/l	100
25) 2-Butanone	6.81	43	803696	246.806	ug/l	100
26) 2,2-Dichloropropane	6.80	77	328717	48.528	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	218841	50.837	ug/l	99
28) Bromochloromethane	7.18	49	130269	49.948	ug/l	100
29) Tetrahydrofuran	7.19	42	528849	265.480	ug/l	100
30) Chloroform	7.35	83	390801	49.749	ug/l	100
31) Cyclohexane	7.63	56	346899	47.549	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	334650	50.541	ug/l	99
36) 1,1-Dichloropropene	7.77	75	290754	51.504	ug/l	99
37) Ethyl Acetate	6.91	43	323638	52.614	ug/l	99
38) Carbon Tetrachloride	7.75	117	292542	50.302	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	326352	51.485	ug/l	98
40) Benzene	8.02	78	858008	51.758	ug/l	99
41) Methacrylonitrile	7.16	41	140839m	51.408	ug/l	
42) 1,2-Dichloroethane	8.11	62	319211	49.988	ug/l	100
43) Isopropyl Acetate	8.15	43	531127	53.839	ug/l	99
44) Trichloroethene	8.82	130	202657	50.185	ug/l	97
45) 1,2-Dichloropropane	9.11	63	235599	51.829	ug/l	99
46) Dibromomethane	9.20	93	147826	51.441	ug/l	99
47) Bromodichloromethane	9.39	83	309910	52.324	ug/l	98
48) Methyl methacrylate	9.19	41	244190	54.557	ug/l	99
49) 1,4-Dioxane	9.19	88	71400	971.771	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1687440	292.848	ug/l	99
52) Toluene	10.15	92	534304	54.351	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	352112	53.702	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	368850	52.655	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	215902	53.313	ug/l	99
56) Ethyl methacrylate	10.42	69	339012	49.842	ug/l	99
57) 1,3-Dichloropropane	10.70	76	376790	53.011	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	743444	258.608	ug/l	100
59) 2-Hexanone	10.75	43	1257048	282.317	ug/l	99
60) Dibromochloromethane	10.90	129	233385	53.542	ug/l	99
61) 1,2-Dibromoethane	11.00	107	221399	53.421	ug/l	100
64) Tetrachloroethene	10.63	164	182514	49.762	ug/l	99
65) Chlorobenzene	11.43	112	558028	52.337	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	214486	53.309	ug/l	98
67) Ethyl Benzene	11.51	91	1033983	55.282	ug/l	98
68) m/p-Xylenes	11.62	106	759877	109.551	ug/l	98
69) o-Xylene	11.95	106	359446	54.335	ug/l	98
70) Styrene	11.97	104	617250	50.530	ug/l	99
71) Bromoform	12.13	173	168595	54.038	ug/l #	99
73) Isopropylbenzene	12.25	105	1001616	52.716	ug/l	100
74) N-amyl acetate	12.07	43	469307	54.482	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	338300	50.637	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	290512m	48.214	ug/l	
77) Bromobenzene	12.53	156	237041	50.615	ug/l	98
78) n-propylbenzene	12.59	91	1191612	53.057	ug/l	100
79) 2-Chlorotoluene	12.68	91	704975	51.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	860202	53.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	114148	49.351	ug/l	98
82) 4-Chlorotoluene	12.78	91	730378	51.994	ug/l	100
83) tert-Butylbenzene	13.00	119	722263	52.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	857733	54.474	ug/l	99
85) sec-Butylbenzene	13.17	105	978574	53.767	ug/l	99
86) p-Isopropyltoluene	13.29	119	882572	54.958	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	431103	51.481	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	424495	50.632	ug/l	99
89) n-Butylbenzene	13.62	91	795407	53.918	ug/l	99
90) Hexachloroethane	13.88	117	163091	50.118	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	426512	51.820	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72036	47.672	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	249066	48.167	ug/l	100
94) Hexachlorobutadiene	15.01	225	130522	48.927	ug/l	98
95) Naphthalene	15.13	128	718983	48.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	246525	48.927	ug/l	99

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

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