

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058368.D
 Acq On : 25 Sep 2019 15:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:00:25 PM

Quant Time: Sep 26 03:56:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	746868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	673782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	338738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	304511	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	7.57	113	220432	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.08	98	844764	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.41	95	315884	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	143335	39.835	ug/l	99
3) Chloromethane	2.04	50	129969	46.794	ug/l	99
4) Vinyl Chloride	2.17	62	138428	45.561	ug/l	98
5) Bromomethane	2.54	94	73617	45.913	ug/l	96
6) Chloroethane	2.68	64	95316	49.027	ug/l	98
7) Trichlorofluoromethane	3.00	101	212046	43.175	ug/l	98
8) Diethyl Ether	3.39	74	102589	45.587	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	163065	46.050	ug/l	98
10) Methyl Iodide	3.93	142	131972	44.477	ug/l	100
11) Tert butyl alcohol	4.76	59	207128	285.420	ug/l	100
12) 1,1-Dichloroethene	3.72	96	126122	46.911	ug/l	99
13) Acrolein	3.59	56	20443	190.087	ug/l	94
14) Allyl chloride	4.30	41	271256	46.814	ug/l	100
15) Acrylonitrile	4.96	53	526469	272.294	ug/l	99
16) Acetone	3.80	43	533370	257.564	ug/l	98
17) Carbon Disulfide	4.03	76	154385	40.865	ug/l	99
18) Methyl Acetate	4.30	43	278283	51.070	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	675586	50.584	ug/l	99
20) Methylene Chloride	4.53	84	184565	50.910	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	138741	47.359	ug/l	98
22) Diisopropyl ether	5.93	45	740329	50.298	ug/l	97
23) Vinyl Acetate	5.87	43	2719641	270.035	ug/l	100
24) 1,1-Dichloroethane	5.82	63	377050	47.997	ug/l	100
25) 2-Butanone	6.81	43	767237	271.949	ug/l	98
26) 2,2-Dichloropropane	6.80	77	320508	48.092	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	212257	47.786	ug/l	99
28) Bromochloromethane	7.17	49	188182	50.638	ug/l	98
29) Tetrahydrofuran	7.19	42	453273	260.829	ug/l	100
30) Chloroform	7.36	83	410632	48.561	ug/l	99
31) Cyclohexane	7.64	56	234043	45.892	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	317947	49.391	ug/l	99
36) 1,1-Dichloropropene	7.78	75	234950	43.622	ug/l	99
37) Ethyl Acetate	6.91	43	288441	51.604	ug/l	99
38) Carbon Tetrachloride	7.76	117	249519	46.086	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	235670	45.262	ug/l	97
40) Benzene	8.03	78	751835	45.702	ug/l	100
41) Methacrylonitrile	7.15	41	146641	52.039	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	331387	48.007	ug/l	99
43) Isopropyl Acetate	8.15	43	535257	51.275	ug/l	99
44) Trichloroethene	8.82	130	184112	45.734	ug/l	98
45) 1,2-Dichloropropane	9.11	63	239340	48.717	ug/l	99
46) Dibromomethane	9.20	93	144294	48.309	ug/l	98
47) Bromodichloromethane	9.39	83	322570	51.549	ug/l	98
48) Methyl methacrylate	9.19	41	247433	52.204	ug/l	100
49) 1,4-Dioxane	9.19	88	91684	1178.187	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1644988	296.675	ug/l	99
52) Toluene	10.15	92	479330	46.492	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	337470	52.648	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	356649	50.396	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	233158	50.960	ug/l	99
56) Ethyl methacrylate	10.43	69	348674	52.819	ug/l	100
57) 1,3-Dichloropropane	10.71	76	391281	49.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	844053	268.431	ug/l	100
59) 2-Hexanone	10.75	43	1197101	290.698	ug/l	99
60) Dibromochloromethane	10.90	129	234757	53.334	ug/l	99
61) 1,2-Dibromoethane	11.00	107	214583	50.608	ug/l	99
64) Tetrachloroethene	10.63	164	143442	43.672	ug/l	97
65) Chlorobenzene	11.43	112	568164	47.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226522	52.712	ug/l	98
67) Ethyl Benzene	11.51	91	1010732	49.772	ug/l	100
68) m/p-Xylenes	11.62	106	736709	96.323	ug/l	97
69) o-Xylene	11.95	106	369059	49.074	ug/l	99
70) Styrene	11.97	104	657779	50.764	ug/l	99
71) Bromoform	12.13	173	153119	48.199	ug/l #	100
73) Isopropylbenzene	12.25	105	1063945	50.179	ug/l	99
74) N-amyl acetate	12.07	43	482126	54.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	367939	51.820	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	317975m	52.451	ug/l	
77) Bromobenzene	12.53	156	248389	46.572	ug/l	97
78) n-propylbenzene	12.60	91	1249181	51.846	ug/l	99
79) 2-Chlorotoluene	12.68	91	751786	49.926	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	918708	51.240	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98883	48.714	ug/l	98
82) 4-Chlorotoluene	12.78	91	783662	49.510	ug/l	99
83) tert-Butylbenzene	13.00	119	805942	50.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	938985	52.626	ug/l	99
85) sec-Butylbenzene	13.18	105	1108830	53.032	ug/l	100
86) p-Isopropyltoluene	13.30	119	990136	53.267	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	477116	48.978	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	481187	48.384	ug/l	100
89) n-Butylbenzene	13.62	91	922282	52.334	ug/l	100
90) Hexachloroethane	13.88	117	158067	48.579	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	488721	50.014	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	70876	55.446	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	308187	49.362	ug/l	99
94) Hexachlorobutadiene	15.02	225	150054	49.726	ug/l	96
95) Naphthalene	15.14	128	876726	54.185	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	293482	49.734	ug/l	99

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

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