

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN059013.D
 Acq On : 29 Oct 2019 16:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:49 PM

Quant Time: Oct 30 04:44:29 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	385462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	565422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	271724	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	7.57	113	205626	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.08	98	778128	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	297422	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	204819	42.618	ug/l	100
3) Chloromethane	2.04	50	254641	42.781	ug/l	99
4) Vinyl Chloride	2.17	62	268956	45.509	ug/l	97
5) Bromomethane	2.54	94	155022	41.888	ug/l	98
6) Chloroethane	2.68	64	164574	43.424	ug/l	99
7) Trichlorofluoromethane	3.00	101	337189	46.111	ug/l	98
8) Diethyl Ether	3.39	74	126883	50.210	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	195305	48.177	ug/l	99
10) Methyl Iodide	3.93	142	239939	45.001	ug/l	100
11) Tert butyl alcohol	4.76	59	256450	273.355	ug/l	99
12) 1,1-Dichloroethene	3.71	96	184498	48.553	ug/l	97
13) Acrolein	3.58	56	147906	229.449	ug/l	98
14) Allyl chloride	4.30	41	384208	49.967	ug/l	95
15) Acrylonitrile	4.96	53	668091	283.107	ug/l	99
16) Acetone	3.79	43	710848	254.458	ug/l	99
17) Carbon Disulfide	4.03	76	506044	41.341	ug/l	100
18) Methyl Acetate	4.30	43	359774	56.646	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	703250	52.853	ug/l	97
20) Methylene Chloride	4.53	84	228089	47.816	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	199491	47.538	ug/l	97
22) Diisopropyl ether	5.93	45	803776	53.442	ug/l	93
23) Vinyl Acetate	5.87	43	3371875	279.047	ug/l	99
24) 1,1-Dichloroethane	5.82	63	430427	49.356	ug/l	99
25) 2-Butanone	6.81	43	984295	271.428	ug/l	97
26) 2,2-Dichloropropane	6.80	77	372290	49.354	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	239927	50.049	ug/l	98
28) Bromochloromethane	7.17	49	145411	50.066	ug/l	100
29) Tetrahydrofuran	7.19	42	622659	280.684	ug/l	100
30) Chloroform	7.35	83	417181	47.689	ug/l	99
31) Cyclohexane	7.63	56	366810	45.149	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	358416	48.608	ug/l	99
36) 1,1-Dichloropropene	7.77	75	308492	50.006	ug/l	100
37) Ethyl Acetate	6.90	43	379929	56.520	ug/l	100
38) Carbon Tetrachloride	7.75	117	310896	48.919	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	350101	50.541	ug/l	99
40) Benzene	8.02	78	927801	51.216	ug/l	99
41) Methacrylonitrile	7.15	41	143686m	47.994	ug/l	
42) 1,2-Dichloroethane	8.11	62	343073	49.163	ug/l	100
43) Isopropyl Acetate	8.15	43	594041	55.103	ug/l	100
44) Trichloroethene	8.82	130	223353	50.614	ug/l	99
45) 1,2-Dichloropropane	9.10	63	258260	51.990	ug/l	100
46) Dibromomethane	9.20	93	160577	51.133	ug/l	97
47) Bromodichloromethane	9.39	83	333884	51.585	ug/l	98
48) Methyl methacrylate	9.19	41	273098	55.835	ug/l	96
49) 1,4-Dioxane	9.19	88	90877	1131.827	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1927380	306.085	ug/l	99
52) Toluene	10.15	92	567600	52.836	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	385057	53.740	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	407978	53.295	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	232778	52.599	ug/l	99
56) Ethyl methacrylate	10.43	69	379842	51.050	ug/l	98
57) 1,3-Dichloropropane	10.70	76	409772	52.756	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	817013	260.034	ug/l	100
59) 2-Hexanone	10.75	43	1483610	304.906	ug/l	98
60) Dibromochloromethane	10.90	129	260559	54.700	ug/l	98
61) 1,2-Dibromoethane	11.00	107	243456	53.755	ug/l	98
64) Tetrachloroethene	10.63	164	196967	49.741	ug/l	98
65) Chlorobenzene	11.43	112	601671	52.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	231092	53.200	ug/l	99
67) Ethyl Benzene	11.51	91	1107801	54.860	ug/l	98
68) m/p-Xylenes	11.62	106	824459	110.095	ug/l	100
69) o-Xylene	11.95	106	391665	54.838	ug/l	100
70) Styrene	11.97	104	676258	51.252	ug/l	98
71) Bromoform	12.13	173	190175	56.458	ug/l #	98
73) Isopropylbenzene	12.25	105	1093781	51.955	ug/l	99
74) N-amyl acetate	12.07	43	524145	54.917	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	379838	51.312	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	361759m	54.185	ug/l	
77) Bromobenzene	12.53	156	263001	50.683	ug/l	99
78) n-propylbenzene	12.59	91	1315497	52.863	ug/l	100
79) 2-Chlorotoluene	12.68	91	771340	50.644	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	937682	53.012	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	138859	54.182	ug/l	96
82) 4-Chlorotoluene	12.78	91	800330	51.420	ug/l	100
83) tert-Butylbenzene	13.00	119	796192	52.639	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	940163	53.888	ug/l	98
85) sec-Butylbenzene	13.18	105	1080196	53.565	ug/l	99
86) p-Isopropyltoluene	13.29	119	977517	54.936	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	481189	51.861	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	470867	50.688	ug/l	99
89) n-Butylbenzene	13.62	91	882745	54.005	ug/l	99
90) Hexachloroethane	13.88	117	183582	50.916	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	473998	51.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82158	49.070	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	274309	47.893	ug/l	99
94) Hexachlorobutadiene	15.01	225	150297	50.848	ug/l	98
95) Naphthalene	15.13	128	800021	48.552	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	274384	49.137	ug/l	99

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

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