

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059297.D
 Acq On : 19 Nov 2019 10:35
 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
 11/20/2019 1:37:39 PM

Quant Time: Nov 20 06:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	428864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	669568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	598419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	215319	40.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.68%	
35) Dibromofluoromethane	7.57	113	179890	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
50) Toluene-d8	10.08	98	666407	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	
62) 4-Bromofluorobenzene	12.40	95	251910	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	269632	62.401	ug/l	99
3) Chloromethane	2.04	50	296778	50.527	ug/l	99
4) Vinyl Chloride	2.17	62	322586	56.647	ug/l	99
5) Bromomethane	2.54	94	167976	51.258	ug/l	98
6) Chloroethane	2.68	64	160081	47.521	ug/l	98
7) Trichlorofluoromethane	3.00	101	316978	46.536	ug/l	98
8) Diethyl Ether	3.38	74	136258	49.232	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	203772	49.617	ug/l	99
10) Methyl Iodide	3.92	142	248780	48.939	ug/l	98
11) Tert butyl alcohol	4.75	59	228805	227.735	ug/l	99
12) 1,1-Dichloroethene	3.71	96	201836	50.451	ug/l	96
13) Acrolein	3.58	56	65495	126.438	ug/l	100
14) Allyl chloride	4.29	41	377391	45.923	ug/l	98
15) Acrylonitrile	4.95	53	574002	229.569	ug/l	99
16) Acetone	3.79	43	735756	268.381	ug/l	97
17) Carbon Disulfide	4.02	76	643577	51.822	ug/l	99
18) Methyl Acetate	4.29	43	323858	49.770	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	674939	49.002	ug/l	98
20) Methylene Chloride	4.52	84	225364	47.186	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	217065	50.548	ug/l	96
22) Diisopropyl ether	5.92	45	727901	46.894	ug/l	99
23) Vinyl Acetate	5.86	43	2906590	241.611	ug/l	99
24) 1,1-Dichloroethane	5.82	63	413191	47.660	ug/l	98
25) 2-Butanone	6.81	43	885183	244.994	ug/l	98
26) 2,2-Dichloropropane	6.80	77	351610	46.382	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	243677	48.911	ug/l	98
28) Bromochloromethane	7.17	49	106683	40.901	ug/l	96
29) Tetrahydrofuran	7.18	42	520501	226.724	ug/l	97
30) Chloroform	7.35	83	393492	47.315	ug/l	100
31) Cyclohexane	7.63	56	390281	47.553	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	334718	47.871	ug/l	99
36) 1,1-Dichloropropene	7.77	75	313713	50.126	ug/l	100
37) Ethyl Acetate	6.90	43	317546	45.609	ug/l	99
38) Carbon Tetrachloride	7.75	117	297914	47.825	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383499	52.798	ug/l	98
40) Benzene	8.02	78	920130	48.822	ug/l	99
41) Methacrylonitrile	7.15	41	141179m	46.631	ug/l	
42) 1,2-Dichloroethane	8.10	62	304511	47.110	ug/l	100
43) Isopropyl Acetate	8.14	43	500128	45.057	ug/l	98
44) Trichloroethene	8.82	130	229864	49.617	ug/l	98
45) 1,2-Dichloropropane	9.10	63	246086	48.073	ug/l	100
46) Dibromomethane	9.19	93	150710	47.246	ug/l	99
47) Bromodichloromethane	9.39	83	305420	47.948	ug/l	98
48) Methyl methacrylate	9.18	41	227478	45.817	ug/l	96
49) 1,4-Dioxane	9.18	88	88107	998.561	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	1529135	243.471	ug/l	99
52) Toluene	10.15	92	559937	49.569	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	352827	47.944	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	390128	49.283	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	214658	46.954	ug/l	99
56) Ethyl methacrylate	10.42	69	341343	44.963	ug/l	96
57) 1,3-Dichloropropane	10.70	76	378014	48.043	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	291781	114.684	ug/l	100
59) 2-Hexanone	10.74	43	1206722	250.325	ug/l	98
60) Dibromochloromethane	10.90	129	234995	48.618	ug/l	100
61) 1,2-Dibromoethane	11.00	107	225447	48.714	ug/l	100
64) Tetrachloroethene	10.63	164	201125	49.427	ug/l	98
65) Chlorobenzene	11.43	112	581564	49.853	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	213789	48.855	ug/l	98
67) Ethyl Benzene	11.51	91	1069875	51.692	ug/l	99
68) m/p-Xylenes	11.62	106	807124	104.105	ug/l	98
69) o-Xylene	11.95	106	381652	50.938	ug/l	98
70) Styrene	11.96	104	627842	53.281	ug/l	99
71) Bromoform	12.13	173	165718	48.686	ug/l #	100
73) Isopropylbenzene	12.25	105	1026511	48.495	ug/l	100
74) N-amyl acetate	12.07	43	413864	46.142	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	324269	44.985	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	286628m	43.264	ug/l	
77) Bromobenzene	12.53	156	244829	46.037	ug/l	98
78) n-propylbenzene	12.59	91	1202631	49.621	ug/l	99
79) 2-Chlorotoluene	12.67	91	707995	47.089	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	869704	48.489	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	113943	45.427	ug/l	99
82) 4-Chlorotoluene	12.77	91	734741	48.723	ug/l	100
83) tert-Butylbenzene	12.99	119	740202	47.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	878005	50.596	ug/l	99
85) sec-Butylbenzene	13.17	105	1006812	49.980	ug/l	100
86) p-Isopropyltoluene	13.29	119	912986	51.329	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	441298	48.458	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	438362	48.110	ug/l	99
89) n-Butylbenzene	13.62	91	801232	51.467	ug/l	99
90) Hexachloroethane	13.88	117	161084	45.101	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	429816	47.979	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65839	45.783	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	262851	48.461	ug/l	99
94) Hexachlorobutadiene	15.01	225	149176	48.294	ug/l	99
95) Naphthalene	15.13	128	698966	46.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	262535	52.293	ug/l	99

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

