

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060488.D
 Acq On : 13 Mar 2020 9:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:04:44 PM

Quant Time: Mar 16 04:38:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	125442	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.56	113	94341	62.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.16%	
50) Toluene-d8	10.08	98	370914	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	143375	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	74206	40.295	ug/l	99
3) Chloromethane	2.04	50	136955	42.715	ug/l	99
4) Vinyl Chloride	2.16	62	109926	39.977	ug/l	100
5) Bromomethane	2.54	94	48160	43.185	ug/l	100
6) Chloroethane	2.68	64	65919	44.246	ug/l	97
7) Trichlorofluoromethane	3.00	101	154344	43.933	ug/l	100
8) Diethyl Ether	3.38	74	62659	47.238	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	93227	46.889	ug/l	99
10) Methyl Iodide	3.93	142	65013	35.828	ug/l	100
11) Tert butyl alcohol	4.72	59	92851	242.645	ug/l	100
12) 1,1-Dichloroethene	3.71	96	89489	46.369	ug/l	100
13) Acrolein	3.57	56	102403	286.851	ug/l	99
14) Allyl chloride	4.29	41	161582	45.414	ug/l	96
15) Acrylonitrile	4.94	53	273385	271.047	ug/l	99
16) Acetone	3.78	43	274319	329.625	ug/l	100
17) Carbon Disulfide	4.03	76	212939	41.462	ug/l	99
18) Methyl Acetate	4.28	43	144666	52.090	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	350809	50.071	ug/l	98
20) Methylene Chloride	4.52	84	105759	46.273	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	98057	47.272	ug/l	100
22) Diisopropyl ether	5.91	45	377899	52.435	ug/l	98
23) Vinyl Acetate	5.86	43	1513986	264.362	ug/l	99
24) 1,1-Dichloroethane	5.81	63	203395	49.856	ug/l	99
25) 2-Butanone	6.80	43	401296	298.533	ug/l	99
26) 2,2-Dichloropropane	6.79	77	183956	49.530	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	120711	45.548	ug/l	98
28) Bromochloromethane	7.17	49	80256	47.914	ug/l	95
29) Tetrahydrofuran	7.18	42	246251	263.442	ug/l	97
30) Chloroform	7.34	83	202571	49.880	ug/l	99
31) Cyclohexane	7.63	56	167667	48.110	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	175177	48.684	ug/l	99
36) 1,1-Dichloropropene	7.77	75	145981	46.783	ug/l	99
37) Ethyl Acetate	6.89	43	157386	53.268	ug/l	99
38) Carbon Tetrachloride	7.75	117	140245	46.162	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163153	44.346	ug/l	97
40) Benzene	8.02	78	443555	48.838	ug/l	100
41) Methacrylonitrile	7.15	41	76154m	55.821	ug/l	
42) 1,2-Dichloroethane	8.10	62	161709	49.341	ug/l	99
43) Isopropyl Acetate	8.14	43	274770	53.120	ug/l	99
44) Trichloroethene	8.82	130	116258	45.962	ug/l	99
45) 1,2-Dichloropropane	9.10	63	124069	52.250	ug/l	99
46) Dibromomethane	9.19	93	75631	49.087	ug/l	99
47) Bromodichloromethane	9.38	83	163037	52.028	ug/l	100
48) Methyl methacrylate	9.18	41	121412	51.473	ug/l	98
49) 1,4-Dioxane	9.18	88	32396	976.648	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	801167	273.179	ug/l	100
52) Toluene	10.14	92	274339	48.087	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	189630	49.386	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	199396	50.115	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	113318	49.392	ug/l	97
56) Ethyl methacrylate	10.42	69	177660	53.901	ug/l	97
57) 1,3-Dichloropropane	10.70	76	194722	52.044	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	459285	266.430	ug/l	98
59) 2-Hexanone	10.74	43	605355	281.128	ug/l	100
60) Dibromochloromethane	10.89	129	122265	52.403	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112901	50.481	ug/l	100
64) Tetrachloroethene	10.62	164	110422	46.015	ug/l	99
65) Chlorobenzene	11.43	112	291568	47.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	111472	49.108	ug/l	98
67) Ethyl Benzene	11.50	91	543757	48.636	ug/l	99
68) m/p-Xylenes	11.61	106	403925	95.759	ug/l	100
69) o-Xylene	11.94	106	196501	48.852	ug/l	99
70) Styrene	11.96	104	330045	49.906	ug/l	100
71) Bromoform	12.12	173	89204	54.527	ug/l #	100
73) Isopropylbenzene	12.24	105	530760	47.658	ug/l	99
74) N-amyl acetate	12.06	43	246312	50.613	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	164493	54.336	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146788m	44.526	ug/l	
77) Bromobenzene	12.52	156	128411	47.038	ug/l	96
78) n-propylbenzene	12.59	91	631701	48.389	ug/l	99
79) 2-Chlorotoluene	12.67	91	369897	48.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	448892	47.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	62887	52.658	ug/l #	85
82) 4-Chlorotoluene	12.77	91	384037	47.501	ug/l	99
83) tert-Butylbenzene	12.99	119	381139	46.947	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	453570	47.924	ug/l	100
85) sec-Butylbenzene	13.17	105	519220	47.760	ug/l	99
86) p-Isopropyltoluene	13.28	119	469055	46.616	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	234269	49.941	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	234612	50.301	ug/l	99
89) n-Butylbenzene	13.61	91	432715	46.846	ug/l	99
90) Hexachloroethane	13.87	117	68624	47.117	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	223793	46.784	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32365	47.210	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	144811	47.646	ug/l	99
94) Hexachlorobutadiene	15.01	225	70057	50.141	ug/l	98
95) Naphthalene	15.13	128	413669	46.184	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	135184	47.215	ug/l	99

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

