

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062255.D
 Acq On : 30 Jun 2020 21:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:25 AM

Quant Time: Jul 01 05:34:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	227876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	417743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	390650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	163495	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.55	113	127420	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.06	98	504189	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	12.38	95	171556	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	110635	42.953	ug/l	100
3) Chloromethane	2.03	50	144999	47.757	ug/l	98
4) Vinyl Chloride	2.16	62	172681	42.571	ug/l	98
5) Bromomethane	2.52	94	83265	31.762	ug/l	99
6) Chloroethane	2.66	64	123156	44.446	ug/l	100
7) Trichlorofluoromethane	2.98	101	214997	43.015	ug/l	98
8) Diethyl Ether	3.37	74	85192	48.813	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	120195	45.922	ug/l	97
10) Methyl Iodide	3.91	142	103715	35.185	ug/l	99
11) Tert butyl alcohol	4.74	59	118410	257.894	ug/l	100
12) 1,1-Dichloroethene	3.69	96	119262	45.580	ug/l	94
13) Acrolein	3.56	56	114682	255.117	ug/l	99
14) Allyl chloride	4.27	41	176928	49.665	ug/l	99
15) Acrylonitrile	4.93	53	333198	266.307	ug/l	99
16) Acetone	3.77	43	262190	261.391	ug/l	98
17) Carbon Disulfide	4.00	76	333732	44.535	ug/l	100
18) Methyl Acetate	4.28	43	133914	52.678	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	419174	50.134	ug/l	99
20) Methylene Chloride	4.50	84	150259	51.190	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	134141	45.002	ug/l	95
22) Diisopropyl ether	5.90	45	415798	51.262	ug/l	99
23) Vinyl Acetate	5.84	43	1754866	264.989	ug/l	98
24) 1,1-Dichloroethane	5.80	63	254677	48.759	ug/l	100
25) 2-Butanone	6.79	43	415104	265.569	ug/l	97
26) 2,2-Dichloropropane	6.77	77	190015	43.656	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	157388	46.923	ug/l	99
28) Bromochloromethane	7.15	49	118379	52.236	ug/l	94
29) Tetrahydrofuran	7.17	42	279223	272.708	ug/l	98
30) Chloroform	7.33	83	257270	48.412	ug/l	99
31) Cyclohexane	7.61	56	205943	46.613	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	211972	47.298	ug/l	98
36) 1,1-Dichloropropene	7.75	75	188880	44.983	ug/l	99
37) Ethyl Acetate	6.88	43	179559	51.643	ug/l	98
38) Carbon Tetrachloride	7.73	117	176658	44.625	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	215381	46.815	ug/l	98
40) Benzene	8.00	78	591494	46.217	ug/l	99
41) Methacrylonitrile	7.13	41	69063m	42.845	ug/l	
42) 1,2-Dichloroethane	8.09	62	203964	47.170	ug/l	99
43) Isopropyl Acetate	8.13	43	293364	51.758	ug/l	99
44) Trichloroethene	8.80	130	138369	42.860	ug/l	96
45) 1,2-Dichloropropane	9.09	63	155962	49.396	ug/l	100
46) Dibromomethane	9.18	93	100787	47.081	ug/l	98
47) Bromodichloromethane	9.37	83	208009	48.123	ug/l	99
48) Methyl methacrylate	9.17	41	137647	54.162	ug/l	94
49) 1,4-Dioxane	9.17	88	56652	1005.216	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	897417	270.995	ug/l	99
52) Toluene	10.12	92	373723	47.859	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	225830	47.489	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	247972	48.979	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	148025	48.223	ug/l	98
56) Ethyl methacrylate	10.40	69	219189	53.507	ug/l	99
57) 1,3-Dichloropropane	10.68	76	258668	48.958	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	417960	240.310	ug/l	98
59) 2-Hexanone	10.72	43	657000	274.749	ug/l	99
60) Dibromochloromethane	10.87	129	153813	47.330	ug/l	98
61) 1,2-Dibromoethane	10.98	107	149711	47.466	ug/l	99
64) Tetrachloroethene	10.60	164	111112	41.638	ug/l	98
65) Chlorobenzene	11.41	112	387130	45.127	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	136192	45.911	ug/l	98
67) Ethyl Benzene	11.48	91	699280	48.265	ug/l	99
68) m/p-Xylenes	11.60	106	532129	94.957	ug/l	98
69) o-Xylene	11.92	106	252310	47.720	ug/l	95
70) Styrene	11.94	104	435905	49.434	ug/l	99
71) Bromoform	12.10	173	99650	47.247	ug/l #	97
73) Isopropylbenzene	12.22	105	678015	47.377	ug/l	99
74) N-amyl acetate	12.05	43	256302	48.742	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	228446	47.969	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	201482m	46.295	ug/l	
77) Bromobenzene	12.50	156	154472	43.477	ug/l	92
78) n-propylbenzene	12.56	91	793579	48.478	ug/l	98
79) 2-Chlorotoluene	12.65	91	465818	47.070	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	560401	48.305	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	66811	44.831	ug/l	97
82) 4-Chlorotoluene	12.75	91	481275	47.028	ug/l	98
83) tert-Butylbenzene	12.97	119	476495	47.993	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	560935	48.412	ug/l	100
85) sec-Butylbenzene	13.15	105	653294	49.797	ug/l	98
86) p-Isopropyltoluene	13.26	119	572152	49.778	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	285010	45.682	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	283688	44.111	ug/l	98
89) n-Butylbenzene	13.59	91	480582	50.292	ug/l	99
90) Hexachloroethane	13.85	117	104865	46.501	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	278373	46.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	38549	50.529	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	122562	46.373	ug/l	98
94) Hexachlorobutadiene	14.98	225	52931	46.111	ug/l	98
95) Naphthalene	15.10	128	362420	41.836	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	124888	46.213	ug/l	99

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

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