

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062280.D
 Acq On : 1 Jul 2020 8:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 11:04:01 AM

Quant Time: Jul 01 10:00:13 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	207310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	405039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	373765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	162468	55.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.70%	
35) Dibromofluoromethane	7.55	113	124459	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.06	98	500888	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.38	95	170431	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	106365	45.392	ug/l	99
3) Chloromethane	2.03	50	145992	53.001	ug/l	96
4) Vinyl Chloride	2.16	62	174440	47.271	ug/l	100
5) Bromomethane	2.52	94	103872	43.553	ug/l	97
6) Chloroethane	2.66	64	120581	47.834	ug/l	100
7) Trichlorofluoromethane	2.98	101	209956	46.174	ug/l	99
8) Diethyl Ether	3.37	74	86637	54.565	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	114096	47.916	ug/l	98
10) Methyl Iodide	3.91	142	141446	52.745	ug/l	100
11) Tert butyl alcohol	4.73	59	125113	299.525	ug/l	100
12) 1,1-Dichloroethene	3.69	96	121192	50.912	ug/l	97
13) Acrolein	3.56	56	120520	294.700	ug/l	98
14) Allyl chloride	4.27	41	177135	54.656	ug/l	98
15) Acrylonitrile	4.93	53	349339	306.906	ug/l	100
16) Acetone	3.77	43	273563	300.391	ug/l	98
17) Carbon Disulfide	4.00	76	333477	48.911	ug/l	99
18) Methyl Acetate	4.28	43	143991	62.262	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	431358	56.710	ug/l	99
20) Methylene Chloride	4.50	84	151100	56.606	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	132637	48.912	ug/l	93
22) Diisopropyl ether	5.90	45	433331	58.723	ug/l	98
23) Vinyl Acetate	5.84	43	1804305	299.483	ug/l	98
24) 1,1-Dichloroethane	5.80	63	258026	54.301	ug/l	98
25) 2-Butanone	6.79	43	437067	307.359	ug/l	97
26) 2,2-Dichloropropane	6.77	77	133994	33.839	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	157124	51.492	ug/l	100
28) Bromochloromethane	7.15	49	115239	55.895	ug/l	90
29) Tetrahydrofuran	7.17	42	294063	315.694	ug/l	97
30) Chloroform	7.33	83	258363	53.440	ug/l	98
31) Cyclohexane	7.61	56	208220	51.804	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	212217	52.050	ug/l	98
36) 1,1-Dichloropropene	7.75	75	191495	47.036	ug/l	97
37) Ethyl Acetate	6.88	43	185960	55.161	ug/l	98
38) Carbon Tetrachloride	7.73	117	174697	45.514	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	208659	46.776	ug/l	99
40) Benzene	8.00	78	592898	47.780	ug/l	99
41) Methacrylonitrile	7.12	41	80383	51.432	ug/l	99
42) 1,2-Dichloroethane	8.09	62	206637	49.287	ug/l	99
43) Isopropyl Acetate	8.13	43	300567	54.692	ug/l	98
44) Trichloroethene	8.80	130	137195	43.829	ug/l	96
45) 1,2-Dichloropropane	9.08	63	157289	51.379	ug/l	98
46) Dibromomethane	9.18	93	101269	48.790	ug/l	95
47) Bromodichloromethane	9.37	83	211368	50.434	ug/l	99
48) Methyl methacrylate	9.17	41	139757	56.717	ug/l	96
49) 1,4-Dioxane	9.17	88	56610	1035.976	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	941388	293.189	ug/l	98
52) Toluene	10.12	92	370396	48.921	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	221447	48.028	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	237856	48.454	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	152126	51.113	ug/l	99
56) Ethyl methacrylate	10.40	69	223014	56.148	ug/l	97
57) 1,3-Dichloropropane	10.68	76	260343	50.820	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	445267	262.450	ug/l	97
59) 2-Hexanone	10.72	43	698271	301.166	ug/l	98
60) Dibromochloromethane	10.87	129	153812	48.814	ug/l	98
61) 1,2-Dibromoethane	10.98	107	149698	48.951	ug/l	99
64) Tetrachloroethene	10.60	164	106770	41.819	ug/l	98
65) Chlorobenzene	11.41	112	388261	47.303	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	140310	49.436	ug/l	99
67) Ethyl Benzene	11.48	91	703750	50.768	ug/l	98
68) m/p-Xylenes	11.59	106	529359	98.730	ug/l	97
69) o-Xylene	11.92	106	257524	50.906	ug/l	98
70) Styrene	11.94	104	439412	52.083	ug/l	98
71) Bromoform	12.10	173	100388	49.747	ug/l #	99
73) Isopropylbenzene	12.22	105	673295	49.279	ug/l	99
74) N-amyl acetate	12.05	43	273301	54.050	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	233730	51.407	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	194371m	46.779	ug/l	
77) Bromobenzene	12.50	156	153690	45.309	ug/l	89
78) n-propylbenzene	12.57	91	788049	50.425	ug/l	98
79) 2-Chlorotoluene	12.65	91	473131	50.077	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	569303	51.401	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	68319	48.018	ug/l	96
82) 4-Chlorotoluene	12.75	91	490102	50.163	ug/l	97
83) tert-Butylbenzene	12.97	119	467407	49.311	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	574391	51.925	ug/l	98
85) sec-Butylbenzene	13.15	105	657477	52.493	ug/l	99
86) p-Isopropyltoluene	13.26	119	564806	51.471	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	285629	47.953	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	282542	46.017	ug/l	99
89) n-Butylbenzene	13.59	91	470783	51.604	ug/l	99
90) Hexachloroethane	13.85	117	109746	50.974	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	277795	48.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	40751	55.950	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	117690	46.642	ug/l	99
94) Hexachlorobutadiene	14.99	225	51152	46.675	ug/l	100
95) Naphthalene	15.10	128	364024	43.807	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	123987	48.056	ug/l	99

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

