

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062571.D
 Acq On : 21 Jul 2020 14:26
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072120

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:45:44 PM

Quant Time: Jul 22 05:19:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	221005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	365764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	339345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	160753	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	156329	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
35) Dibromofluoromethane	7.55	113	112160	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
50) Toluene-d8	10.06	98	446952	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
62) 4-Bromofluorobenzene	12.37	95	168063	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	128249	48.650	ug/l	99
3) Chloromethane	2.04	50	172156	48.149	ug/l	97
4) Vinyl Chloride	2.16	62	149092	48.101	ug/l	99
5) Bromomethane	2.53	94	67064	48.850	ug/l	99
6) Chloroethane	2.67	64	67443	48.102	ug/l	99
7) Trichlorofluoromethane	2.98	101	173928	47.792	ug/l	98
8) Diethyl Ether	3.37	74	84404	49.596	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	118172	50.646	ug/l	99
10) Methyl Iodide	3.91	142	144482	48.435	ug/l	100
11) Tert butyl alcohol	4.73	59	130620	239.163	ug/l	100
12) 1,1-Dichloroethene	3.70	96	117643	49.714	ug/l	98
13) Acrolein	3.56	56	119471	211.117	ug/l	99
14) Allyl chloride	4.27	41	259045	50.607	ug/l	99
15) Acrylonitrile	4.93	53	364764	249.350	ug/l	100
16) Acetone	3.77	43	345877	267.719	ug/l	100
17) Carbon Disulfide	4.01	76	371994	47.844	ug/l	100
18) Methyl Acetate	4.28	43	156615	47.885	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	434788	49.920	ug/l	99
20) Methylene Chloride	4.50	84	143629	46.353	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	129809	49.424	ug/l	97
22) Diisopropyl ether	5.90	45	509597	50.085	ug/l	98
23) Vinyl Acetate	5.84	43	2159116	258.980	ug/l	100
24) 1,1-Dichloroethane	5.80	63	271249	49.507	ug/l	99
25) 2-Butanone	6.79	43	507450	257.904	ug/l	100
26) 2,2-Dichloropropane	6.78	77	225946	50.235	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	146591	48.913	ug/l	98
28) Bromochloromethane	7.15	49	134986	50.061	ug/l	99
29) Tetrahydrofuran	7.17	42	328816	246.973	ug/l	100
30) Chloroform	7.33	83	251672	48.310	ug/l	99
31) Cyclohexane	7.61	56	246234	48.675	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	213057	48.985	ug/l	99
36) 1,1-Dichloropropene	7.75	75	197904	50.762	ug/l	100
37) Ethyl Acetate	6.88	43	213412	50.782	ug/l	98
38) Carbon Tetrachloride	7.73	117	184500	49.233	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	221507	52.781	ug/l	100
40) Benzene	8.00	78	584891	49.554	ug/l	100
41) Methacrylonitrile	7.12	41	95900	53.244	ug/l #	86
42) 1,2-Dichloroethane	8.09	62	214105	49.618	ug/l	100
43) Isopropyl Acetate	8.13	43	344391	50.834	ug/l #	91
44) Trichloroethene	8.80	130	131946	49.572	ug/l	100
45) 1,2-Dichloropropane	9.08	63	165978	50.085	ug/l	98
46) Dibromomethane	9.17	93	95426	49.821	ug/l	99
47) Bromodichloromethane	9.37	83	207831	50.085	ug/l	100
48) Methyl methacrylate	9.17	41	164382	51.042	ug/l	99
49) 1,4-Dioxane	9.17	88	51259	1036.303	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1035417	255.429	ug/l	99
52) Toluene	10.12	92	349475	50.991	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	241410	52.260	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	262121	52.882	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	133469	50.205	ug/l	97
56) Ethyl methacrylate	10.40	69	228943	48.033	ug/l	99
57) 1,3-Dichloropropane	10.68	76	248332	50.989	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	333038	232.737	ug/l	100
59) 2-Hexanone	10.72	43	764835	244.041	ug/l	100
60) Dibromochloromethane	10.87	129	150974	50.906	ug/l	99
61) 1,2-Dibromoethane	10.98	107	136700	49.382	ug/l	98
64) Tetrachloroethene	10.60	164	110476	50.107	ug/l	98
65) Chlorobenzene	11.41	112	361664	50.837	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	132911	49.662	ug/l	99
67) Ethyl Benzene	11.48	91	680678	52.184	ug/l	100
68) m/p-Xylenes	11.59	106	493185	105.194	ug/l	99
69) o-Xylene	11.92	106	234883	52.759	ug/l	99
70) Styrene	11.94	104	407049	54.125	ug/l	99
71) Bromoform	12.10	173	102707	51.112	ug/l #	99
73) Isopropylbenzene	12.22	105	639250	50.291	ug/l	100
74) N-amyl acetate	12.05	43	303284	53.428	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	205221	46.461	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	195724m	47.834	ug/l	
77) Bromobenzene	12.50	156	147778	48.378	ug/l	98
78) n-propylbenzene	12.56	91	761589	51.151	ug/l	100
79) 2-Chlorotoluene	12.65	91	453555	49.429	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	547816	51.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	74260	50.522	ug/l	99
82) 4-Chlorotoluene	12.75	91	471570	49.374	ug/l	100
83) tert-Butylbenzene	12.97	119	452303	51.662	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	538330	52.046	ug/l	99
85) sec-Butylbenzene	13.15	105	609893	52.033	ug/l	100
86) p-Isopropyltoluene	13.26	119	543424	53.905	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	264764	49.392	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	265148	50.247	ug/l	100
89) n-Butylbenzene	13.59	91	461692	53.300	ug/l	100
90) Hexachloroethane	13.85	117	103646	48.296	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	255144	49.778	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	39171	48.844	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	124672	46.492	ug/l	99
94) Hexachlorobutadiene	14.98	225	71864	51.842	ug/l	98
95) Naphthalene	15.10	128	315446	44.567	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	122208	50.593	ug/l	99

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

