

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062567.D
 Acq On : 21 Jul 2020 12:21
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:45:36 PM

Quant Time: Jul 21 13:29:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 13:13:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	204051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	336995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	312204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	60787	19.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.80%	
35) Dibromofluoromethane	7.55	113	42627	20.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.74%	
50) Toluene-d8	10.06	98	172675	20.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.76%	
62) 4-Bromofluorobenzene	12.38	95	60237	19.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47877	22.742	ug/l	99
3) Chloromethane	2.04	50	63385	19.191	ug/l	98
4) Vinyl Chloride	2.16	62	58022	21.218	ug/l	99
5) Bromomethane	2.53	94	25296	17.921	ug/l	92
6) Chloroethane	2.67	64	26097	17.023	ug/l	99
7) Trichlorofluoromethane	2.99	101	68459	19.874	ug/l	98
8) Diethyl Ether	3.37	74	32056	20.711	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44969	21.914	ug/l	99
10) Methyl Iodide	3.91	142	53870	19.993	ug/l	99
11) Tert butyl alcohol	4.74	59	50037	97.204	ug/l	98
12) 1,1-Dichloroethene	3.70	96	44111	21.065	ug/l	97
13) Acrolein	3.57	56	48751	119.500	ug/l	97
14) Allyl chloride	4.28	41	95413	19.612	ug/l	99
15) Acrylonitrile	4.93	53	138047	102.009	ug/l	99
16) Acetone	3.78	43	117909	90.029	ug/l	100
17) Carbon Disulfide	4.01	76	141303	21.401	ug/l	99
18) Methyl Acetate	4.28	43	58494	17.911	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	162235	20.445	ug/l	98
20) Methylene Chloride	4.50	84	55149	19.353	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	49462	21.809	ug/l	95
22) Diisopropyl ether	5.90	45	196754	20.464	ug/l	95
23) Vinyl Acetate	5.84	43	802054	100.699	ug/l	100
24) 1,1-Dichloroethane	5.80	63	104447	20.894	ug/l	100
25) 2-Butanone	6.79	43	189252	98.832	ug/l	100
26) 2,2-Dichloropropane	6.78	77	83432	21.531	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	56145	21.357	ug/l	100
28) Bromochloromethane	7.15	49	47718	17.697	ug/l	98
29) Tetrahydrofuran	7.17	42	129343	100.106	ug/l	98
30) Chloroform	7.33	83	98373	21.665	ug/l	99
31) Cyclohexane	7.62	56	92310	19.564	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	82502	21.784	ug/l	100
36) 1,1-Dichloropropene	7.75	75	73394	21.636	ug/l	99
37) Ethyl Acetate	6.88	43	81634	20.696	ug/l	99
38) Carbon Tetrachloride	7.74	117	71768	23.157	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	77636	21.449	ug/l	98
40) Benzene	8.00	78	223751	22.243	ug/l	100
41) Methacrylonitrile	7.12	41	26748	16.544	ug/l #	84
42) 1,2-Dichloroethane	8.09	62	81897	22.236	ug/l	100
43) Isopropyl Acetate	8.13	43	128130	20.555	ug/l #	91
44) Trichloroethene	8.80	130	50480	22.535	ug/l	98
45) 1,2-Dichloropropane	9.09	63	62075	21.386	ug/l	100
46) Dibromomethane	9.18	93	36884	22.370	ug/l	99
47) Bromodichloromethane	9.37	83	78368	22.287	ug/l	99
48) Methyl methacrylate	9.17	41	59867	19.672	ug/l	98
49) 1,4-Dioxane	9.17	88	19448	433.910	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	387776	104.330	ug/l	99
52) Toluene	10.12	92	130973	22.430	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	86724	21.949	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	94275	21.674	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	50886	22.324	ug/l	99
56) Ethyl methacrylate	10.40	69	79486	20.933	ug/l	99
57) 1,3-Dichloropropane	10.68	76	94071	22.316	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	105049	80.264	ug/l	99
59) 2-Hexanone	10.72	43	277179	102.623	ug/l	100
60) Dibromochloromethane	10.87	129	57262	22.951	ug/l	98
61) 1,2-Dibromoethane	10.98	107	51759	22.318	ug/l	96
64) Tetrachloroethene	10.60	164	42287	22.679	ug/l	95
65) Chlorobenzene	11.41	112	133433	21.921	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	50589	22.541	ug/l	99
67) Ethyl Benzene	11.48	91	244326	21.465	ug/l	99
68) m/p-Xylenes	11.60	106	178525	44.112	ug/l	100
69) o-Xylene	11.92	106	85304	21.702	ug/l	99
70) Styrene	11.94	104	144311	22.192	ug/l	99
71) Bromoform	12.10	173	37685	22.817	ug/l #	98
73) Isopropylbenzene	12.22	105	230313	21.545	ug/l	99
74) N-amyl acetate	12.05	43	103625	20.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	76812	21.389	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	69475m	20.269	ug/l	
77) Bromobenzene	12.50	156	53490	21.922	ug/l	99
78) n-propylbenzene	12.57	91	268099	21.517	ug/l	100
79) 2-Chlorotoluene	12.65	91	164112	21.636	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	192809	21.897	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	25039	19.876	ug/l	95
82) 4-Chlorotoluene	12.75	91	167032	21.665	ug/l	100
83) tert-Butylbenzene	12.97	119	156400	21.009	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	186230	21.341	ug/l	99
85) sec-Butylbenzene	13.15	105	212933	21.626	ug/l	100
86) p-Isopropyltoluene	13.27	119	183984	21.653	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	92297	21.933	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	90494	20.939	ug/l	98
89) n-Butylbenzene	13.59	91	143772	19.253	ug/l	98
90) Hexachloroethane	13.85	117	37898	22.609	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	90217	22.133	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	13976	21.374	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	40887	22.348	ug/l	96
94) Hexachlorobutadiene	14.98	225	24823	22.718	ug/l	96
95) Naphthalene	15.10	128	99323	19.389	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	40036	21.031	ug/l	98

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

