

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062151.D
 Acq On : 26 Jun 2020 19:51
 Operator : JC/MD
 Sample : L3020-18MS
 Misc : 5.10µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:42 PM

Quant Time: Jun 27 06:17:48 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	7.62	168	229376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	419792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	253653	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	156369	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	7.54	113	125490	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	10.06	98	573273	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.37	95	301314	82.84	ug/l	0.00
Spiked Amount			Recovery	=	165.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	108036	41.669	ug/l	99
3) Chloromethane	2.03	50	128217	41.786	ug/l	100
4) Vinyl Chloride	2.16	62	152465	37.342	ug/l	100
5) Bromomethane	2.48	94	28737	10.890	ug/l	99
6) Chloroethane	2.62	64	13245	4.749	ug/l	93
7) Trichlorofluoromethane	2.91	101	252735	50.235	ug/l	98
8) Diethyl Ether	3.36	74	85326	48.570	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.68	101	120193	45.621	ug/l	99
10) Methyl Iodide	3.88	142	123318	41.562	ug/l	99
11) Tert butyl alcohol	4.81	59	105816m	228.957	ug/l	
12) 1,1-Dichloroethene	3.66	96	122035	46.334	ug/l	97
13) Acrolein	3.56	56	114242	252.476	ug/l	98
14) Allyl chloride	4.26	41	168823	47.080	ug/l	98
15) Acrylonitrile	4.93	53	302491	240.183	ug/l	100
16) Acetone	3.78	43	238894	236.218	ug/l	97
17) Carbon Disulfide	3.98	76	335677	44.502	ug/l	99
18) Methyl Acetate	4.27	43	131060	51.219	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	411669	48.915	ug/l	97
20) Methylene Chloride	4.49	84	145622	49.278	ug/l	99
21) trans-1,2-Dichloroethene	4.97	96	133634	44.539	ug/l	94
22) Diisopropyl ether	5.90	45	397021	48.627	ug/l	97
23) Vinyl Acetate	5.84	43	1631651	244.772	ug/l	100
24) 1,1-Dichloroethane	5.78	63	244322	46.470	ug/l	98
25) 2-Butanone	6.79	43	372057	236.472	ug/l	99
26) 2,2-Dichloropropane	6.77	77	174616	39.856	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	174166	51.586	ug/l	98
28) Bromochloromethane	7.14	49	105123	46.083	ug/l	98
29) Tetrahydrofuran	7.17	42	247391	240.039	ug/l	99
30) Chloroform	7.32	83	250815	46.888	ug/l	99
31) Cyclohexane	7.60	56	267183	60.078	ug/l	95
32) 1,1,1-Trichloroethane	7.52	97	208601	46.242	ug/l	99
36) 1,1-Dichloropropene	7.75	75	186845	44.281	ug/l	98
37) Ethyl Acetate	6.88	43	160784	46.017	ug/l	98
38) Carbon Tetrachloride	7.73	117	173364	43.580	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	703126	152.084	ug/l	97
40) Benzene	8.00	78	582276	45.275	ug/l	98
41) Methacrylonitrile	7.13	41	65829m	40.639	ug/l	
42) 1,2-Dichloroethane	8.08	62	195805	45.062	ug/l	94
43) Isopropyl Acetate	8.13	43	374001	65.663	ug/l #	88
44) Trichloroethene	8.80	130	153897	47.437	ug/l	99
45) 1,2-Dichloropropane	9.08	63	154767	48.778	ug/l	99
46) Dibromomethane	9.17	93	100305	46.627	ug/l	97
47) Bromodichloromethane	9.37	83	236457	54.438	ug/l	97
48) Methyl methacrylate	9.17	41	128988	50.507	ug/l	94
49) 1,4-Dioxane	9.18	88	52269	922.918	ug/l #	81
51) 4-Methyl-2-Pentanone	9.96	43	821592m	246.887	ug/l	
52) Toluene	10.12	92	386148	49.209	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	228349	47.784	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	248457	48.835	ug/l	92
55) 1,1,2-Trichloroethane	10.53	97	134893m	43.730	ug/l	
56) Ethyl methacrylate	10.40	69	224341	54.497	ug/l #	65
57) 1,3-Dichloropropane	10.68	76	259993	48.968	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	464340	263.974	ug/l	100
59) 2-Hexanone	10.73	43	576706	239.994	ug/l	94
60) Dibromochloromethane	10.87	129	153765	47.084	ug/l	100
61) 1,2-Dibromoethane	10.98	107	156493	49.374	ug/l #	40
64) Tetrachloroethene	10.60	164	117558	40.266	ug/l	97
65) Chlorobenzene	11.41	112	439268	46.801	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	153841	47.401	ug/l	99
67) Ethyl Benzene	11.48	91	5149609	324.867	ug/l #	82
68) m/p-Xylenes	11.60	106	1905569	310.805	ug/l	98
69) o-Xylene	11.92	106	314935	54.442	ug/l	95
70) Styrene	11.94	104	534187	55.371	ug/l	98
71) Bromoform	12.10	173	110140	47.730	ug/l #	98
73) Isopropylbenzene	12.22	105	2047725	104.291	ug/l	100
74) N-amyl acetate	12.05	43	331787m	46.178	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.48	83	243577	37.279	ug/l #	49
76) 1,2,3-Trichloropropane	12.53	75	213389m	35.736	ug/l	
77) Bromobenzene	12.50	156	191337	39.251	ug/l	95
78) n-propylbenzene	12.57	91	5576515	248.294	ug/l	87
79) 2-Chlorotoluene	12.66	91	1256015m	92.506	ug/l	
80) 1,3,5-Trimethylbenzene	12.71	105	5642625	354.503	ug/l	79
81) trans-1,4-Dichloro-2-buten	12.28	75	81793	40.003	ug/l #	74
82) 4-Chlorotoluene	12.75	91	587406	41.836	ug/l	92
83) tert-Butylbenzene	12.97	119	626730	46.009	ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	9376179m	589.808	ug/l	
85) sec-Butylbenzene	13.15	105	1709245	94.960	ug/l #	78
86) p-Isopropyltoluene	13.26	119	1235605	78.353	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	379832	44.373	ug/l	94
88) 1,4-Dichlorobenzene	13.34	146	386019	43.748	ug/l	96
89) n-Butylbenzene	13.59	91	2960908	225.839	ug/l #	77
90) Hexachloroethane	13.86	117	778010	251.457	ug/l #	32
91) 1,2-Dichlorobenzene	13.63	146	389779	46.958	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.23	75	121130	115.725	ug/l #	49

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	263712	72.725	uq/l #	34
94) Hexachlorobutadiene	14.99	225	107482	68.245	uq/l	96
95) Naphthalene	15.10	128	5881179	451.564	uq/l #	93
96) 1,2,3-Trichlorobenzene	15.28	180	252287	68.043	uq/l #	85

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

