

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055359.D
 Acq On : 2 May 2019 19:15
 Operator : JC/SP
 Sample : K2658-11MSD 5X
 Misc : 5.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:10:27 PM

Quant Time: May 03 05:13:24 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M

Quant Title : SW846 8260

QLast Update : Tue Apr 30 07:16:52 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	380699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	612639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	541183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	251596	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.59	113	194208	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	10.09	98	760784	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.40	95	449237	98.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	209869	44.994	ug/l	99
3) Chloromethane	2.06	50	237387	41.101	ug/l	100
4) Vinyl Chloride	2.19	62	213564	45.872	ug/l	99
5) Bromomethane	2.55	94	110395	44.765	ug/l	96
6) Chloroethane	2.70	64	115170	45.664	ug/l	97
7) Trichlorofluoromethane	3.01	101	301374	45.523	ug/l	98
8) Diethyl Ether	3.41	74	117876	50.893	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	179327	45.489	ug/l	100
10) Methyl Iodide	3.95	142	248833	44.851	ug/l	100
11) Tert butyl alcohol	4.80	59	94685	332.063	ug/l	99
12) 1,1-Dichloroethene	3.74	96	171777	45.677	ug/l	97
13) Acrolein	3.61	56	45676	205.114	ug/l	97
14) Allyl chloride	4.33	41	372122	47.777	ug/l	99
15) Acrylonitrile	4.99	53	446691	278.702	ug/l	100
16) Acetone	3.82	43	357245	230.209	ug/l	98
17) Carbon Disulfide	4.05	76	390687	39.808	ug/l	99
18) Methyl Acetate	4.33	43	228404	60.640	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	573283	54.226	ug/l	99
20) Methylene Chloride	4.55	84	209750	44.282	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	182489	45.819	ug/l	99
22) Diisopropyl ether	5.95	45	792544	51.213	ug/l	97
23) Vinyl Acetate	5.90	43	2855551	281.541	ug/l	100
24) 1,1-Dichloroethane	5.85	63	396923	48.138	ug/l	99
25) 2-Butanone	6.84	43	574207	289.333	ug/l	98
26) 2,2-Dichloropropane	6.82	77	252329	44.316	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	220631	48.713	ug/l	99
28) Bromochloromethane	7.19	49	203947	49.070	ug/l	99
29) Tetrahydrofuran	7.21	42	376909	296.595	ug/l	100
30) Chloroform	7.37	83	371675	47.551	ug/l	99
31) Cyclohexane	7.65	56	364562	46.536	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	302592	47.700	ug/l	99
36) 1,1-Dichloropropene	7.80	75	275699	46.982	ug/l	99
37) Ethyl Acetate	6.93	43	242594	53.941	ug/l	99
38) Carbon Tetrachloride	7.78	117	248918	43.973	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	425557	68.208	ug/l	98
40) Benzene	8.04	78	828037	47.867	ug/l	99
41) Methacrylonitrile	7.17	41	146272	59.944	ug/l	96
42) 1,2-Dichloroethane	8.13	62	295630	48.251	ug/l	100
43) Isopropyl Acetate	8.17	43	451542	62.474	ug/l	96
44) Trichloroethene	8.84	130	204880	46.458	ug/l	98
45) 1,2-Dichloropropane	9.12	63	240663	48.236	ug/l	99
46) Dibromomethane	9.21	93	132937	48.745	ug/l	99
47) Bromodichloromethane	9.40	83	282441	48.276	ug/l	98
48) Methyl methacrylate	9.20	41	207264	58.333	ug/l	99
49) 1,4-Dioxane	9.20	88	47216	1285.495	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1242434	305.321	ug/l	100
52) Toluene	10.16	92	488417	49.208	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	276708	54.482	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	331697	52.381	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	172180	46.715	ug/l	96
56) Ethyl methacrylate	10.43	69	399860	88.141	ug/l	87
57) 1,3-Dichloropropane	10.71	76	334282	51.700	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	434474	305.683	ug/l	100
59) 2-Hexanone	10.75	43	765327	300.590	ug/l	94
60) Dibromochloromethane	10.90	129	191020	50.709	ug/l	98
61) 1,2-Dibromoethane	11.01	107	183263	53.794	ug/l	96
64) Tetrachloroethene	10.63	164	194835	44.024	ug/l	99
65) Chlorobenzene	11.43	112	510722	48.268	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	185791	44.843	ug/l	99
67) Ethyl Benzene	11.51	91	2446374	128.037	ug/l	99
68) m/p-Xylenes	11.62	106	2773897	406.725	ug/l	99
69) o-Xylene	11.95	106	468762	69.345	ug/l	94
70) Styrene	11.96	104	577419	55.633	ug/l	93
71) Bromoform	12.13	173	116870	50.836	ug/l #	99
73) Isopropylbenzene	12.25	105	3456892	157.336	ug/l	100
74) N-amyl acetate	12.05	43	1680317	226.885	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.51	83	132382	21.329	ug/l #	28
76) 1,2,3-Trichloropropane	12.55	75	214043m	39.369	ug/l	
77) Bromobenzene	12.53	156	220831	39.659	ug/l	88
78) n-propylbenzene	12.59	91	8529720	287.749	ug/l	99
79) 2-Chlorotoluene	12.67	91	1318859m	86.259	ug/l	
80) 1,3,5-Trimethylbenzene	12.73	105	12770834	564.492	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57745	37.921	ug/l #	34
82) 4-Chlorotoluene	12.78	91	575178	33.372	ug/l	87
83) tert-Butylbenzene	12.99	119	1118219	71.056	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	20917171m	1033.797	ug/l	
85) sec-Butylbenzene	13.17	105	4792823	194.912	ug/l	79
86) p-Isopropyltoluene	13.29	119	4339714	214.725	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	373940	38.724	ug/l #	73
88) 1,4-Dichlorobenzene	13.36	146	360769	39.672	ug/l #	80
89) n-Butylbenzene	13.62	91	4904811m	341.528	ug/l	
90) Hexachloroethane	13.89	117	587339	187.883	ug/l #	24
91) 1,2-Dichlorobenzene	13.65	146	366348m	38.277	ug/l	
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53388m	70.321	ug/l	

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93) 1,2,4-Trichlorobenzene	14.91	180	239525	62.588	ug/l #	68
94) Hexachlorobutadiene	15.01	225	161279	56.356	ug/l	99
95) Naphthalene	15.13	128	2092115	246.788	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	222133	59.269	ug/l #	89

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

