

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052962.D
 Acq On : 18 Dec 2018 15:44
 Operator : MD\SY
 Sample : J6378-13MSD 20X
 Misc : 2.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:06:45 PM

Quant Time: Dec 19 04:07:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	987375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1548254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1383998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	670702	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	533694	53.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.52%	
35) Dibromofluoromethane	7.59	113	378038	53.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.90%	
50) Toluene-d8	10.09	98	1819819	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.40	95	645412	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	473557	47.389	ug/l	100
3) Chloromethane	2.06	50	602853	49.784	ug/l	99
4) Vinyl Chloride	2.19	62	590675	48.163	ug/l	100
5) Bromomethane	2.56	94	378551	44.552	ug/l	100
6) Chloroethane	2.71	64	350039	48.192	ug/l	99
7) Trichlorofluoromethane	3.02	101	739585	48.409	ug/l	99
8) Diethyl Ether	3.41	74	311516	54.048	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	450985	46.297	ug/l	98
10) Methyl Iodide	3.96	142	709972	51.900	ug/l	99
11) Tert butyl alcohol	4.77	59	176704	289.025	ug/l	99
12) 1,1-Dichloroethene	3.74	96	451992	48.028	ug/l	99
13) Acrolein	3.61	56	137058	247.235	ug/l	99
14) Allyl chloride	4.33	41	735078	50.426	ug/l	94
15) Acrylonitrile	4.99	53	925496	272.483	ug/l	100
16) Acetone	3.81	43	593769	302.233	ug/l	96
17) Carbon Disulfide	4.06	76	1317690	42.933	ug/l	99
18) Methyl Acetate	4.32	43	509284	56.974	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1386328	55.047	ug/l	97
20) Methylene Chloride	4.55	84	539446	50.337	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	483641	47.832	ug/l	99
22) Diisopropyl ether	5.95	45	1655840	53.216	ug/l	97
23) Vinyl Acetate	5.89	43	4643161	259.506	ug/l	98
24) 1,1-Dichloroethane	5.85	63	942715	50.986	ug/l	99
25) 2-Butanone	6.83	43	968639	293.786	ug/l	98
26) 2,2-Dichloropropane	6.83	77	424545	30.079	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	571993	49.968	ug/l	96
28) Bromochloromethane	7.19	49	427118	53.310	ug/l	94
29) Tetrahydrofuran	7.21	42	694889	282.189	ug/l	98
30) Chloroform	7.37	83	921387	50.728	ug/l	99
31) Cyclohexane	7.65	56	833987	48.052	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	759143	49.063	ug/l	99
36) 1,1-Dichloropropene	7.79	75	681057	45.830	ug/l	99
37) Ethyl Acetate	6.93	43	461534	55.634	ug/l	99
38) Carbon Tetrachloride	7.78	117	646827	47.487	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	800586	44.347	ug/l	98
40) Benzene	8.04	78	2132668	48.248	ug/l	99
41) Methacrylonitrile	7.17	41	279265	58.262	ug/l	93
42) 1,2-Dichloroethane	8.12	62	653277	50.028	ug/l	98
43) Isopropyl Acetate	8.16	43	855206	53.340	ug/l	99
44) Trichloroethene	8.83	130	595949	46.613	ug/l	96
45) 1,2-Dichloropropane	9.12	63	571723	49.657	ug/l	99
46) Dibromomethane	9.21	93	334027	49.802	ug/l	98
47) Bromodichloromethane	9.40	83	702308	49.260	ug/l	99
48) Methyl methacrylate	9.20	41	428367	53.213	ug/l	99
49) 1,4-Dioxane	9.20	88	104080	1022.095	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2199713	273.803	ug/l	99
52) Toluene	10.16	92	1377880	50.291	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	686912	45.819	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	789090	45.855	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	483421	50.576	ug/l	100
56) Ethyl methacrylate	10.43	69	674467	53.312	ug/l	97
57) 1,3-Dichloropropane	10.71	76	824643	50.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1834385	264.111	ug/l	98
59) 2-Hexanone	10.75	43	1485233	273.241	ug/l	99
60) Dibromochloromethane	10.90	129	542104	49.547	ug/l	100
61) 1,2-Dibromoethane	11.00	107	491318	50.613	ug/l	99
64) Tetrachloroethene	10.63	164	691815	46.146	ug/l	99
65) Chlorobenzene	11.43	112	1541048	50.231	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	521895	48.919	ug/l	99
67) Ethyl Benzene	11.51	91	3011622	57.081	ug/l	100
68) m/p-Xylenes	11.62	106	3697381	184.342	ug/l	99
69) o-Xylene	11.95	106	1367033	71.027	ug/l	100
70) Styrene	11.96	104	1570223	50.033	ug/l	96
71) Bromoform	12.13	173	382198	49.590	ug/l #	100
73) Isopropylbenzene	12.25	105	2469562	47.060	ug/l	100
74) N-amyl acetate	12.07	43	762168	52.313	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	533628	51.833	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	480326m	42.542	ug/l	
77) Bromobenzene	12.53	156	685957	50.287	ug/l	92
78) n-propylbenzene	12.59	91	2809757	47.013	ug/l	100
79) 2-Chlorotoluene	12.67	91	1654837	44.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2044337	47.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	151732	43.315	ug/l	95
82) 4-Chlorotoluene	12.77	91	1693246	46.692	ug/l	99
83) tert-Butylbenzene	12.99	119	1752261	46.321	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2176234	50.611	ug/l	100
85) sec-Butylbenzene	13.17	105	2364431	46.210	ug/l	100
86) p-Isopropyltoluene	13.29	119	2118238	47.910	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1156267	47.893	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1265861	51.775	ug/l	99
89) n-Butylbenzene	13.62	91	1739656	45.736	ug/l	99
90) Hexachloroethane	13.88	117	317438	46.787	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1114568	49.052	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	92078	51.727	ug/l	98

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93) 1,2,4-Trichlorobenzene	14.91	180	605458	50.291	ug/l	100
94) Hexachlorobutadiene	15.01	225	329546	53.045	ug/l	99
95) Naphthalene	15.13	128	1464203	55.398	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	547610	50.510	ug/l	100

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

