

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056232.D
 Acq On : 11 Jun 2019 18:58
 Operator : JC/SP
 Sample : K3284-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Manual Integrations
 APPROVED

MMDadoda
 6/12/2019 11:11:40 AM

Quant Time: Jun 12 07:31:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	291902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	410384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	366621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	153886	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.18%		
35) Dibromofluoromethane	7.59	113	143360	56.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.88%		
50) Toluene-d8	10.09	98	529676	54.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.34%		
62) 4-Bromofluorobenzene	12.40	95	173552	52.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.34%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149759	46.723	ug/l	98
3) Chloromethane	2.06	50	156644	49.505	ug/l	100
4) Vinyl Chloride	2.18	62	159155	50.143	ug/l	99
5) Bromomethane	2.54	94	95807	47.784	ug/l	100
6) Chloroethane	2.69	64	91294	49.609	ug/l	100
7) Trichlorofluoromethane	3.01	101	203017	50.103	ug/l	100
8) Diethyl Ether	3.40	74	78253	46.962	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	124830	50.715	ug/l	98
10) Methyl Iodide	3.94	142	187738	47.996	ug/l	100
11) Tert butyl alcohol	4.82	59	102474	203.171	ug/l	99
12) 1,1-Dichloroethene	3.72	96	124909	50.973	ug/l	96
13) Acrolein	3.60	56	51800	356.099	ug/l	99
14) Allyl chloride	4.31	41	191694	49.541	ug/l	99
15) Acrylonitrile	4.99	53	340824	277.592	ug/l	99
16) Acetone	3.82	43	263513	190.099	ug/l	100
17) Carbon Disulfide	4.04	76	308124	52.515	ug/l	99
18) Methyl Acetate	4.33	43	133561	49.040	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	391691	50.146	ug/l	99
20) Methylene Chloride	4.54	84	144384	50.557	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	136153	51.856	ug/l	95
22) Diisopropyl ether	5.96	45	401267	50.167	ug/l	98
23) Vinyl Acetate	5.90	43	1444165	229.270	ug/l	99
24) 1,1-Dichloroethane	5.84	63	239017	51.803	ug/l	99
25) 2-Butanone	6.84	43	430435	245.766	ug/l	99
26) 2,2-Dichloropropane	6.82	77	132797	36.885	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	155494	50.382	ug/l	96
28) Bromochloromethane	7.19	49	119165	54.614	ug/l	96
29) Tetrahydrofuran	7.22	42	291289	269.061	ug/l	99
30) Chloroform	7.37	83	243092	52.374	ug/l	98
31) Cyclohexane	7.65	56	216984	47.180	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	202948	52.361	ug/l	100
36) 1,1-Dichloropropene	7.79	75	174953	49.580	ug/l	99
37) Ethyl Acetate	6.93	43	156698	49.908	ug/l	99
38) Carbon Tetrachloride	7.77	117	175619	53.982	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215233	48.963	ug/l	99
40) Benzene	8.04	78	565057	52.723	ug/l	99
41) Methacrylonitrile	7.18	41	81907	56.700	ug/l	94
42) 1,2-Dichloroethane	8.12	62	180520	52.363	ug/l	99
43) Isopropyl Acetate	8.17	43	250528	49.241	ug/l #	91
44) Trichloroethene	8.83	130	162118	52.641	ug/l	96
45) 1,2-Dichloropropane	9.12	63	147578	53.758	ug/l	100
46) Dibromomethane	9.21	93	96908	53.983	ug/l	96
47) Bromodichloromethane	9.40	83	182905	56.217	ug/l	99
48) Methyl methacrylate	9.20	41	130733	52.522	ug/l	96
49) 1,4-Dioxane	9.20	88	53770	1000.619	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	859974	270.291	ug/l	99
52) Toluene	10.16	92	347411	52.092	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	173321	45.655	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	204476	52.284	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	142937	54.107	ug/l	98
56) Ethyl methacrylate	10.43	69	208583	54.121	ug/l	98
57) 1,3-Dichloropropane	10.71	76	229996	53.556	ug/l	100
59) 2-Hexanone	10.75	43	590734	256.173	ug/l	99
60) Dibromochloromethane	10.90	129	154425	52.854	ug/l	98
61) 1,2-Dibromoethane	11.00	107	145946	54.041	ug/l	97
64) Tetrachloroethene	10.63	164	155365	48.957	ug/l	99
65) Chlorobenzene	11.43	112	376520	51.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	143147	56.818	ug/l	98
67) Ethyl Benzene	11.51	91	645686	50.892	ug/l	98
68) m/p-Xylenes	11.62	106	494857	102.101	ug/l	98
69) o-Xylene	11.95	106	242180	50.798	ug/l	99
70) Stvrene	11.96	104	400601	52.885	ug/l	99
71) Bromoform	12.13	173	113783	53.586	ug/l #	99
73) Isopropylbenzene	12.25	105	632930	54.834	ug/l	100
74) N-amyl acetate	12.07	43	189892	43.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	194582	51.541	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	177013m	59.154	ug/l	
77) Bromobenzene	12.53	156	174626	50.154	ug/l	95
78) n-propylbenzene	12.59	91	669182	48.639	ug/l	99
79) 2-Chlorotoluene	12.67	91	405232	53.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	515832	47.175	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43235	48.115	ug/l	91
82) 4-Chlorotoluene	12.77	91	394287	48.985	ug/l	99
83) tert-Butylbenzene	12.99	119	461931	54.705	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	507710	48.964	ug/l	99
85) sec-Butylbenzene	13.17	105	585450	48.050	ug/l	99
86) p-Isopropyltoluene	13.29	119	526830	48.314	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271653	50.410	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	259515	50.063	ug/l	99
89) n-Butylbenzene	13.61	91	386775	47.881	ug/l	100
90) Hexachloroethane	13.87	117	90216	54.860	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	271371	49.879	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30761	56.967	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	131643	44.429	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	102556	55.176	ug/l	97
95) Naphthalene	15.13	128	344939	44.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	147356	48.335	ug/l	100

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

