

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058326.D
 Acq On : 24 Sep 2019 4:27
 Operator : JC/SP
 Sample : K5002-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:52 AM

Quant Time: Sep 25 12:14:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	422920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	753198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	683356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	338492	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	
35) Dibromofluoromethane	7.58	113	242274	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.09	98	910995	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.41	95	334217	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	135862	39.106	ug/l	99
3) Chloromethane	2.04	50	138259	51.663	ug/l	99
4) Vinyl Chloride	2.17	62	150286	51.345	ug/l	98
5) Bromomethane	2.54	94	77424	49.946	ug/l	99
6) Chloroethane	2.68	64	102921	55.044	ug/l	97
7) Trichlorofluoromethane	3.00	101	216816	45.722	ug/l	99
8) Diethyl Ether	3.39	74	110165	50.701	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	136070	39.798	ug/l	98
10) Methyl Iodide	3.93	142	136832	47.761	ug/l	99
11) Tert butyl alcohol	4.76	59	193543	276.220	ug/l	100
12) 1,1-Dichloroethene	3.72	96	129679	49.979	ug/l	96
13) Acrolein	3.59	56	39392	379.358	ug/l	94
14) Allyl chloride	4.30	41	271802	48.583	ug/l	98
15) Acrylonitrile	4.96	53	568808	304.694	ug/l	99
16) Acetone	3.79	43	471283	235.706	ug/l	99
17) Carbon Disulfide	4.03	76	163880	44.899	ug/l	99
18) Methyl Acetate	4.30	43	293491	55.784	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	718525	55.719	ug/l	99
20) Methylene Chloride	4.53	84	190531	54.447	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	144902	51.261	ug/l	99
22) Diisopropyl ether	5.93	45	785221	55.253	ug/l	100
23) Vinyl Acetate	5.87	43	2790545	286.966	ug/l	100
24) 1,1-Dichloroethane	5.83	63	419822	55.349	ug/l	99
25) 2-Butanone	6.82	43	777747	285.515	ug/l	100
26) 2,2-Dichloropropane	6.80	77	195780	30.425	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	219157	51.100	ug/l	97
28) Bromochloromethane	7.18	49	209284	58.327	ug/l	97
29) Tetrahydrofuran	7.19	42	488257	290.989	ug/l	100
30) Chloroform	7.36	83	430602	52.741	ug/l	99
31) Cyclohexane	7.64	56	209197	42.296	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	328524	52.856	ug/l	100
36) 1,1-Dichloropropene	7.78	75	234182	43.114	ug/l	100
37) Ethyl Acetate	6.91	43	307411	54.536	ug/l	100
38) Carbon Tetrachloride	7.76	117	251602	46.080	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	180680	34.426	ug/l	98
40) Benzene	8.03	78	794043	47.862	ug/l	100
41) Methacrylonitrile	7.16	41	154773m	54.421	ug/l	
42) 1,2-Dichloroethane	8.11	62	350924	50.410	ug/l	100
43) Isopropyl Acetate	8.15	43	565306	53.698	ug/l	99
44) Trichloroethene	8.82	130	187735	46.242	ug/l	100
45) 1,2-Dichloropropane	9.11	63	259058	52.288	ug/l	99
46) Dibromomethane	9.20	93	153979	51.118	ug/l	97
47) Bromodichloromethane	9.39	83	336637	53.345	ug/l	99
48) Methyl methacrylate	9.19	41	268341	56.139	ug/l	99
49) 1,4-Dioxane	9.19	88	79596	1014.254	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1769606	316.468	ug/l	99
52) Toluene	10.15	92	497755	47.874	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	324990	50.275	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	345310	48.384	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	246532	53.431	ug/l	99
56) Ethyl methacrylate	10.43	69	375435	56.395	ug/l	99
57) 1,3-Dichloropropane	10.71	76	412014	51.943	ug/l	99
59) 2-Hexanone	10.75	43	1267173	305.128	ug/l	99
60) Dibromochloromethane	10.90	129	252887	56.970	ug/l	98
61) 1,2-Dibromoethane	11.00	107	226713	53.020	ug/l	99
64) Tetrachloroethene	10.63	164	135997	40.825	ug/l	97
65) Chlorobenzene	11.44	112	586426	48.789	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	234221	53.740	ug/l	99
67) Ethyl Benzene	11.51	91	1022104	49.627	ug/l	100
68) m/p-Xylenes	11.62	106	737118	95.026	ug/l	97
69) o-Xylene	11.95	106	379371	49.738	ug/l	97
70) Stvrene	11.97	104	677574	51.559	ug/l	99
71) Bromoform	12.13	173	161524	49.988	ug/l #	99
73) Isopropylbenzene	12.26	105	1026068	50.570	ug/l	99
74) N-amyl acetate	12.08	43	508015	59.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	395334	58.183	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	341453m	58.857	ug/l	
77) Bromobenzene	12.53	156	254709	49.905	ug/l	95
78) n-propylbenzene	12.60	91	1195118	51.834	ug/l	99
79) 2-Chlorotoluene	12.68	91	744965	51.699	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	889941	51.868	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90306	46.753	ug/l	97
82) 4-Chlorotoluene	12.78	91	777657	51.340	ug/l	100
83) tert-Butylbenzene	13.00	119	769912	50.318	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	910014	53.296	ug/l	100
85) sec-Butylbenzene	13.18	105	1004946	50.226	ug/l	100
86) p-Isopropyltoluene	13.30	119	910911	51.210	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	474081	50.856	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	482641	50.713	ug/l	99
89) n-Butylbenzene	13.62	91	792866	47.014	ug/l	100
90) Hexachloroethane	13.88	117	149557	48.063	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	491114	52.519	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75779	61.949	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	300493	50.295	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	117124	40.559	ug/l	96
95) Naphthalene	15.14	128	938093	60.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	299706	53.073	ug/l	99

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

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