

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058812.D
 Acq On : 16 Oct 2019 19:08
 Operator : JC/SP
 Sample : K5399-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MSD

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:30 AM

Quant Time: Oct 17 07:40:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	370861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	595301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	550561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	287353	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.57	113	205350	55.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.70%	
50) Toluene-d8	10.08	98	787307	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.40	95	292107	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	239825	51.923	ug/l	100
3) Chloromethane	2.04	50	278081	50.630	ug/l	99
4) Vinyl Chloride	2.17	62	286461	52.367	ug/l	99
5) Bromomethane	2.54	94	171975	51.679	ug/l	100
6) Chloroethane	2.68	64	181999	53.939	ug/l	98
7) Trichlorofluoromethane	3.00	101	349998	53.461	ug/l	99
8) Diethyl Ether	3.39	74	124915	51.641	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	190234	50.962	ug/l	99
10) Methyl Iodide	3.93	142	258823	50.810	ug/l	99
11) Tert butyl alcohol	4.76	59	219035	260.492	ug/l	99
12) 1,1-Dichloroethene	3.72	96	183809	51.609	ug/l	96
13) Acrolein	3.58	56	116428	172.165	ug/l	99
14) Allyl chloride	4.30	41	368700	51.297	ug/l	100
15) Acrylonitrile	4.96	53	588718	277.632	ug/l	100
16) Acetone	3.80	43	520318	242.070	ug/l	100
17) Carbon Disulfide	4.03	76	551182	48.414	ug/l	100
18) Methyl Acetate	4.30	43	288313	52.879	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	690137	54.265	ug/l	96
20) Methylene Chloride	4.53	84	222431	49.514	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	206176	51.752	ug/l	97
22) Diisopropyl ether	5.93	45	768957	55.024	ug/l	98
23) Vinyl Acetate	5.87	43	3147887	279.157	ug/l	100
24) 1,1-Dichloroethane	5.82	63	423699	53.234	ug/l	100
25) 2-Butanone	6.81	43	820329	264.042	ug/l	99
26) 2,2-Dichloropropane	6.80	77	333572	45.912	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	238777	51.397	ug/l	99
28) Bromochloromethane	7.18	49	151200	54.606	ug/l	98
29) Tetrahydrofuran	7.19	42	547900	272.896	ug/l	99
30) Chloroform	7.35	83	419386	52.445	ug/l	99
31) Cyclohexane	7.64	56	368436	48.380	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	361830	53.056	ug/l	98
36) 1,1-Dichloropropene	7.78	75	313581	52.099	ug/l	99
37) Ethyl Acetate	6.91	43	376645	61.876	ug/l	98
38) Carbon Tetrachloride	7.76	117	317482	54.122	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	348380	49.881	ug/l	97
40) Benzene	8.03	78	916981	53.047	ug/l	99
41) Methacrylonitrile	7.15	41	165255	57.996	ug/l #	25
42) 1,2-Dichloroethane	8.11	62	351830	52.977	ug/l	100
43) Isopropyl Acetate	8.15	43	553991	53.424	ug/l	99
44) Trichloroethene	8.82	130	225302	52.485	ug/l	99
45) 1,2-Dichloropropane	9.11	63	250990	54.238	ug/l	99
46) Dibromomethane	9.20	93	158338	53.968	ug/l	100
47) Bromodichloromethane	9.39	83	331927	55.558	ug/l	99
48) Methyl methacrylate	9.19	41	262197	55.781	ug/l	99
49) 1,4-Dioxane	9.19	88	85298	1172.983	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1741250	298.991	ug/l	99
52) Toluene	10.15	92	560455	53.010	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	368428	53.767	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	384774	52.887	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	224846	51.960	ug/l	99
56) Ethyl methacrylate	10.43	69	356667	56.418	ug/l	99
57) 1,3-Dichloropropane	10.71	76	399575	54.187	ug/l	99
59) 2-Hexanone	10.75	43	1292055	287.084	ug/l	100
60) Dibromochloromethane	10.90	129	246283	55.172	ug/l	98
61) 1,2-Dibromoethane	11.00	107	233143	53.779	ug/l	100
64) Tetrachloroethene	10.63	164	190942	49.557	ug/l	95
65) Chlorobenzene	11.43	112	590729	52.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226292	54.734	ug/l	99
67) Ethyl Benzene	11.51	91	1092770	54.829	ug/l	100
68) m/p-Xylenes	11.62	106	810656	108.385	ug/l	99
69) o-Xylene	11.95	106	386894	53.464	ug/l	100
70) Stvrene	11.97	104	646222	54.485	ug/l	99
71) Bromoform	12.13	173	176490	58.239	ug/l #	100
73) Isopropylbenzene	12.25	105	1064262	54.313	ug/l	100
74) N-amyl acetate	12.07	43	476905	54.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	351851	54.506	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	323524m	54.506	ug/l	
77) Bromobenzene	12.53	156	250216	52.498	ug/l	100
78) n-propylbenzene	12.60	91	1261182	55.234	ug/l	99
79) 2-Chlorotoluene	12.68	91	740439	52.246	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	904583	54.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	119772	54.052	ug/l	98
82) 4-Chlorotoluene	12.78	91	773143	53.163	ug/l	100
83) tert-Butylbenzene	13.00	119	769367	53.684	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	913811	55.024	ug/l	100
85) sec-Butylbenzene	13.18	105	1038871	55.013	ug/l	99
86) p-Isopropyltoluene	13.29	119	935842	54.527	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	453072	51.545	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	453089	50.699	ug/l	100
89) n-Butylbenzene	13.62	91	833438	52.517	ug/l	99
90) Hexachloroethane	13.88	117	170768	55.607	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	449400	52.458	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75859	50.302	ug/l	97
93) 1,2,4-Trichlorobenzene	14.92	180	258033	49.376	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	134100	48.728	ug/l	99
95) Naphthalene	15.13	128	761024	50.670	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	255652	50.107	ug/l	100

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

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