

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056151.D
 Acq On : 8 Jun 2019 14:07
 Operator : JC/SP
 Sample : K3225-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:25:47 AM

Quant Time: Jun 10 03:12:22 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	266601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	405708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	364606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	158933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	155010	58.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.12%	
35) Dibromofluoromethane	7.59	113	138980	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
50) Toluene-d8	10.09	98	494974	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.40	95	170016	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	132822	45.382	ug/l	98
3) Chloromethane	2.06	50	166837	57.730	ug/l	99
4) Vinyl Chloride	2.18	62	155098	53.502	ug/l	99
5) Bromomethane	2.54	94	93346	50.975	ug/l	100
6) Chloroethane	2.69	64	90184	53.656	ug/l	99
7) Trichlorofluoromethane	3.00	101	176371	47.658	ug/l	98
8) Diethyl Ether	3.40	74	81423	53.501	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	101007	44.931	ug/l	100
10) Methyl Iodide	3.94	142	178098	49.853	ug/l	98
11) Tert butyl alcohol	4.82	59	114231	247.974	ug/l	100
12) 1,1-Dichloroethene	3.72	96	115115	51.435	ug/l	99
13) Acrolein	3.60	56	34140	256.968	ug/l	97
14) Allyl chloride	4.31	41	177748	50.296	ug/l	96
15) Acrylonitrile	4.99	53	350801	312.833	ug/l	99
16) Acetone	3.82	43	277709	219.353	ug/l	99
17) Carbon Disulfide	4.04	76	246674	46.032	ug/l	99
18) Methyl Acetate	4.33	43	118989	47.822	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	405870	56.893	ug/l	99
20) Methylene Chloride	4.54	84	145735	55.873	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	126650	52.815	ug/l	97
22) Diisopropyl ether	5.96	45	410255	56.158	ug/l	95
23) Vinyl Acetate	5.90	43	1082908	188.234	ug/l	100
24) 1,1-Dichloroethane	5.84	63	236180	56.046	ug/l	99
25) 2-Butanone	6.84	43	440625	275.460	ug/l	99
26) 2,2-Dichloropropane	6.82	77	68335	20.781	ug/l	88
27) cis-1,2-Dichloroethene	6.83	96	157107	55.736	ug/l	93
28) Bromochloromethane	7.19	49	120239	60.336	ug/l	100
29) Tetrahydrofuran	7.22	42	295833	299.191	ug/l	99
30) Chloroform	7.37	83	237143	55.941	ug/l	100
31) Cyclohexane	7.65	56	179537	42.743	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	183655	51.880	ug/l	99
36) 1,1-Dichloropropene	7.79	75	161007	46.153	ug/l	100
37) Ethyl Acetate	6.93	43	132428	42.664	ug/l	98
38) Carbon Tetrachloride	7.77	117	147816	45.959	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	164733	37.907	ug/l	98
40) Benzene	8.04	78	548877	51.803	ug/l	99
41) Methacrylonitrile	7.18	41	79131m	55.410	ug/l	
42) 1,2-Dichloroethane	8.12	62	178194	52.284	ug/l	99
43) Isopropyl Acetate	8.17	43	221280	43.994	ug/l #	92
44) Trichloroethene	8.83	130	147973	48.602	ug/l	99
45) 1,2-Dichloropropane	9.12	63	147329	54.286	ug/l	100
46) Dibromomethane	9.21	93	97904	55.166	ug/l	99
47) Bromodichloromethane	9.40	83	171065	53.183	ug/l	99
48) Methyl methacrylate	9.20	41	140726	57.189	ug/l	98
49) 1,4-Dioxane	9.20	88	54567	1027.154	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	905473	287.871	ug/l	100
52) Toluene	10.16	92	331774	50.321	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	153990	41.274	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	181772	47.015	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	144679	55.398	ug/l	98
56) Ethyl methacrylate	10.43	69	214494	56.296	ug/l	99
57) 1,3-Dichloropropane	10.71	76	232298	54.715	ug/l	100
59) 2-Hexanone	10.75	43	627651	275.319	ug/l	100
60) Dibromochloromethane	10.90	129	139593	48.539	ug/l	100
61) 1,2-Dibromoethane	11.01	107	150018	56.189	ug/l	99
64) Tetrachloroethene	10.63	164	132134	41.867	ug/l	98
65) Chlorobenzene	11.43	112	356826	49.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	132417	52.850	ug/l	99
67) Ethyl Benzene	11.51	91	598683	47.448	ug/l	99
68) m/p-Xylenes	11.62	106	458631	95.150	ug/l	98
69) o-Xylene	11.95	106	232617	49.061	ug/l	99
70) Stvrene	11.96	104	389429	51.694	ug/l	99
71) Bromoform	12.13	173	99237	47.331	ug/l #	100
73) Isopropylbenzene	12.25	105	582158	51.458	ug/l	100
74) N-amyl acetate	12.07	43	156090	36.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	201950	54.736	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	168942m	57.769	ug/l	
77) Bromobenzene	12.53	156	171319	50.348	ug/l	95
78) n-propylbenzene	12.59	91	609171	45.306	ug/l	100
79) 2-Chlorotoluene	12.67	91	387819	52.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	482452	45.148	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33901	38.605	ug/l	88
82) 4-Chlorotoluene	12.77	91	369493	46.972	ug/l	99
83) tert-Butylbenzene	12.99	119	421936	50.941	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	475613	46.934	ug/l	99
85) sec-Butylbenzene	13.17	105	528258	44.364	ug/l	100
86) p-Isopropyltoluene	13.29	119	474773	44.552	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	260282	49.423	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	249203	49.191	ug/l	100
89) n-Butylbenzene	13.61	91	335010	42.437	ug/l	99
90) Hexachloroethane	13.88	117	74050	46.076	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	270175	50.813	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29066	55.079	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	121754	42.275	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	82894	45.258	ug/l	98
95) Naphthalene	15.13	128	358783	47.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	140404	47.201	ug/l	99

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

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