

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055442.D
 Acq On : 7 May 2019 17:10
 Operator : JC/SP
 Sample : K2658-23MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MS

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:22:23 AM

Quant Time: May 08 07:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	373309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	601775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	529565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	232884	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	255684	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	7.59	113	201297	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	10.09	98	707571	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	251055	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	207246	45.311	ug/l	100
3) Chloromethane	2.06	50	244943	43.249	ug/l	100
4) Vinyl Chloride	2.19	62	198327	43.442	ug/l	100
5) Bromomethane	2.55	94	111059	45.926	ug/l	94
6) Chloroethane	2.70	64	115581	46.734	ug/l	98
7) Trichlorofluoromethane	3.02	101	303744	46.790	ug/l	99
8) Diethyl Ether	3.41	74	123613	54.426	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	187104	48.401	ug/l	99
10) Methyl Iodide	3.96	142	250350	46.018	ug/l	100
11) Tert butyl alcohol	4.79	59	115595	413.420	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	173831	47.138	ug/l	98
13) Acrolein	3.61	56	73312	335.735	ug/l	100
14) Allyl chloride	4.33	41	396481	51.912	ug/l	98
15) Acrylonitrile	4.99	53	502523	319.744	ug/l	100
16) Acetone	3.82	43	406599	267.199	ug/l	98
17) Carbon Disulfide	4.06	76	428122	44.486	ug/l	100
18) Methyl Acetate	4.33	43	244808	66.380	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	610581	58.897	ug/l	100
20) Methylene Chloride	4.55	84	216309	46.571	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	183436	46.969	ug/l	98
22) Diisopropyl ether	5.96	45	849460	55.977	ug/l	99
23) Vinyl Acetate	5.90	43	2813793	282.916	ug/l	99
24) 1,1-Dichloroethane	5.85	63	414312	51.242	ug/l	99
25) 2-Butanone	6.84	43	645051	331.464	ug/l	99
26) 2,2-Dichloropropane	6.83	77	266254	47.687	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	232396	52.326	ug/l	99
28) Bromochloromethane	7.20	49	201918	49.543	ug/l	98
29) Tetrahydrofuran	7.21	42	436939	350.640	ug/l	98
30) Chloroform	7.37	83	392862	51.257	ug/l	99
31) Cyclohexane	7.66	56	349045	45.437	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	315370	50.698	ug/l	99
36) 1,1-Dichloropropene	7.80	75	274794	47.674	ug/l	99
37) Ethyl Acetate	6.93	43	260414	58.948	ug/l	98
38) Carbon Tetrachloride	7.78	117	258175	46.432	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	307463	50.170	ug/l	99
40) Benzene	8.04	78	844562	49.703	ug/l	99
41) Methacrylonitrile	7.18	41	140103	58.471	ug/l	93
42) 1,2-Dichloroethane	8.13	62	314723	52.295	ug/l	100
43) Isopropyl Acetate	8.17	43	451517	63.599	ug/l #	90
44) Trichloroethene	8.84	130	210683	48.637	ug/l	97
45) 1,2-Dichloropropane	9.12	63	250705	51.156	ug/l	99
46) Dibromomethane	9.21	93	140619	52.493	ug/l	99
47) Bromodichloromethane	9.40	83	297648	51.793	ug/l	98
48) Methyl methacrylate	9.20	41	226344	64.853	ug/l	99
49) 1,4-Dioxane	9.20	88	53449	1481.465	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1397089	349.525	ug/l	99
52) Toluene	10.16	92	498437	51.124	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	290010	58.132	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	339250	54.541	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	201764	55.730	ug/l	98
56) Ethyl methacrylate	10.43	69	290773	65.252	ug/l	99
57) 1,3-Dichloropropane	10.71	76	352840	55.555	ug/l	99
59) 2-Hexanone	10.75	43	895284	357.980	ug/l	98
60) Dibromochloromethane	10.90	129	211028	57.031	ug/l	99
61) 1,2-Dibromoethane	11.01	107	194434	58.104	ug/l	99
64) Tetrachloroethene	10.63	164	194942	45.014	ug/l	99
65) Chlorobenzene	11.43	112	517367	49.969	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	203872	50.287	ug/l	99
67) Ethyl Benzene	11.51	91	1022926	54.712	ug/l	98
68) m/p-Xylenes	11.62	106	696452	104.358	ug/l	100
69) o-Xylene	11.95	106	354234	53.552	ug/l	99
70) Stvrene	11.96	104	576955	56.808	ug/l	99
71) Bromoform	12.13	173	134500	59.788	ug/l #	97
73) Isopropylbenzene	12.25	105	1093172	59.600	ug/l	100
74) N-amyl acetate	12.07	43	366852	61.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	267920	58.612	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	239189m	55.535	ug/l	
77) Bromobenzene	12.53	156	223004	50.207	ug/l	96
78) n-propylbenzene	12.59	91	1344954	56.222	ug/l	100
79) 2-Chlorotoluene	12.67	91	653733	51.897	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1990943	109.049	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63307	51.515	ug/l	95
82) 4-Chlorotoluene	12.77	91	633659	45.557	ug/l	98
83) tert-Butylbenzene	12.99	119	803368	62.918	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3699928	226.594	ug/l	99
85) sec-Butylbenzene	13.17	105	1392847	70.190	ug/l	94
86) p-Isopropyltoluene	13.29	119	881119	54.023	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	380777	48.862	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	366429	49.930	ug/l	100
89) n-Butylbenzene	13.61	91	846714m	73.057	ug/l	
90) Hexachloroethane	13.88	117	202473	79.326	ug/l	68
91) 1,2-Dichlorobenzene	13.65	146	383744	49.684	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46891	76.534	ug/l	85
93) 1,2,4-Trichlorobenzene	14.91	180	177572	57.766	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	135397	58.746	ug/l	99
95) Naphthalene	15.13	128	390883	59.694	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	184249	60.845	ug/l	99

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

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