

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010219\
 Data File : VN053242.D
 Acq On : 2 Jan 2019 12:25
 Operator : MD\SY
 Sample : VN0102WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 9:55:39 AM

Quant Time: Jan 03 02:00:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	872609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1309517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1117504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486965	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	469693	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
35) Dibromofluoromethane	7.59	113	396498	66.28	ug/l	0.00
Spiked Amount			Recovery	=	132.56%	
50) Toluene-d8	10.09	98	1630228	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	537934	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	162447	18.394	ug/l	99
3) Chloromethane	2.06	50	193222	18.055	ug/l	99
4) Vinyl Chloride	2.19	62	206495	19.052	ug/l	97
5) Bromomethane	2.58	94	137014	18.246	ug/l	99
6) Chloroethane	2.71	64	127326	19.835	ug/l	99
7) Trichlorofluoromethane	3.03	101	291103	21.560	ug/l	98
8) Diethyl Ether	3.42	74	112541	22.094	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	190791	22.162	ug/l	97
10) Methyl Iodide	3.96	142	238548	19.732	ug/l	99
11) Tert butyl alcohol	4.78	59	58613	108.479	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	175156	21.060	ug/l	100
13) Acrolein	3.61	56	47873	97.714	ug/l	99
14) Allyl chloride	4.33	41	293954	22.817	ug/l	95
15) Acrylonitrile	4.99	53	333857	111.221	ug/l	99
16) Acetone	3.82	43	248707	143.244	ug/l	99
17) Carbon Disulfide	4.06	76	459668	16.947	ug/l	100
18) Methyl Acetate	4.33	43	190831	24.728	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	501992	22.554	ug/l	99
20) Methylene Chloride	4.56	84	202914	21.425	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	185438	20.752	ug/l	98
22) Diisopropyl ether	5.96	45	643926	23.416	ug/l	97
23) Vinyl Acetate	5.90	43	1814538	114.752	ug/l	99
24) 1,1-Dichloroethane	5.86	63	365210	22.350	ug/l	99
25) 2-Butanone	6.84	43	363511	124.753	ug/l	98
26) 2,2-Dichloropropane	6.83	77	278129	22.297	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	221118	21.857	ug/l	99
28) Bromochloromethane	7.20	49	167360	23.636	ug/l	96
29) Tetrahydrofuran	7.21	42	246586	113.307	ug/l	99
30) Chloroform	7.37	83	359563	22.400	ug/l	98
31) Cyclohexane	7.66	56	325931	20.650	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	302160	22.097	ug/l	100
36) 1,1-Dichloropropene	7.80	75	266715	21.220	ug/l	100
37) Ethyl Acetate	6.93	43	160410	22.861	ug/l	99
38) Carbon Tetrachloride	7.78	117	256794	22.290	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	303948	19.906	ug/l	96
40) Benzene	8.04	78	823963	22.039	ug/l	99
41) Methacrylonitrile	7.17	41	92526	22.822	ug/l	98
42) 1,2-Dichloroethane	8.13	62	247591	22.417	ug/l	99
43) Isopropyl Acetate	8.16	43	305168	21.887	ug/l	99
44) Trichloroethene	8.84	130	225659	20.868	ug/l	97
45) 1,2-Dichloropropane	9.12	63	222362	22.834	ug/l	99
46) Dibromomethane	9.21	93	124347	21.920	ug/l	99
47) Bromodichloromethane	9.40	83	269795	22.374	ug/l	100
48) Methyl methacrylate	9.20	41	145376	21.351	ug/l	98
49) 1,4-Dioxane	9.20	88	34157	396.583	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	780319	114.835	ug/l	100
52) Toluene	10.16	92	490398	21.162	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	262781	20.724	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	318659	21.894	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	182069	22.521	ug/l	100
56) Ethyl methacrylate	10.43	69	231299	21.616	ug/l	96
57) 1,3-Dichloropropane	10.71	76	310696	22.411	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	637810	108.572	ug/l	99
59) 2-Hexanone	10.75	43	512198	111.409	ug/l	99
60) Dibromochloromethane	10.90	129	201789	21.806	ug/l	98
61) 1,2-Dibromoethane	11.01	107	172524	21.012	ug/l	98
64) Tetrachloroethene	10.63	164	232085	19.173	ug/l	99
65) Chlorobenzene	11.43	112	536980	21.677	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	197176	22.889	ug/l	99
67) Ethyl Benzene	11.51	91	913707	21.448	ug/l	100
68) m/p-Xylenes	11.62	106	684627	42.274	ug/l	99
69) o-Xylene	11.95	106	336248	21.637	ug/l	98
70) Styrene	11.96	104	536268	21.162	ug/l	99
71) Bromoform	12.13	173	130856	21.027	ug/l #	100
73) Isopropylbenzene	12.25	105	884953	23.227	ug/l	99
74) N-amyl acetate	12.07	43	229214	21.669	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	197576	26.432	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	182195m	22.226	ug/l	
77) Bromobenzene	12.53	156	224295	22.647	ug/l	99
78) n-propylbenzene	12.59	91	983212	22.658	ug/l	99
79) 2-Chlorotoluene	12.67	91	579304	21.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	693194	22.321	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54492	21.425	ug/l	99
82) 4-Chlorotoluene	12.77	91	582678	22.130	ug/l	99
83) tert-Butylbenzene	12.99	119	622126	22.651	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	703231	22.525	ug/l	99
85) sec-Butylbenzene	13.17	105	805614	21.685	ug/l	99
86) p-Isopropyltoluene	13.29	119	687996	21.432	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	373727	21.321	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	370318	20.861	ug/l	99
89) n-Butylbenzene	13.62	91	537093	19.448	ug/l	100
90) Hexachloroethane	13.88	117	108471	22.020	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	359574	21.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26878	20.796	ug/l	98

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93) 1,2,4-Trichlorobenzene	14.91	180	167251	19.503	ug/l	99
94) Hexachlorobutadiene	15.01	225	110621	22.887	ug/l	99
95) Naphthalene	15.13	128	340384	18.517	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	150185	19.395	ug/l	99

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

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