

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053934.D
 Acq On : 25 Feb 2019 17:22
 Operator : JC/SP
 Sample : VN0225WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:48:39 AM

Quant Time: Feb 28 04:34:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	632290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1064734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	915901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	406224	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	387179	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
35) Dibromofluoromethane	7.59	113	344165	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.09	98	1257631	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.40	95	410579	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	122960	21.130	ug/l	98
3) Chloromethane	2.06	50	172955	21.428	ug/l	99
4) Vinyl Chloride	2.18	62	175066	21.647	ug/l	97
5) Bromomethane	2.57	94	112098	20.929	ug/l	98
6) Chloroethane	2.71	64	104287	20.734	ug/l	99
7) Trichlorofluoromethane	3.02	101	218235	21.123	ug/l	100
8) Diethyl Ether	3.41	74	83299	21.520	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	134701	20.643	ug/l	95
10) Methyl Iodide	3.95	142	177981	20.758	ug/l	98
11) Tert butyl alcohol	4.78	59	49078	104.451	ug/l	99
12) 1,1-Dichloroethene	3.74	96	130513	20.910	ug/l	92
13) Acrolein	3.60	56	46874	96.355	ug/l	99
14) Allyl chloride	4.32	41	232220	21.212	ug/l	95
15) Acrylonitrile	4.99	53	264196	106.684	ug/l	100
16) Acetone	3.81	43	206221	97.701	ug/l	97
17) Carbon Disulfide	4.05	76	405499	20.138	ug/l	99
18) Methyl Acetate	4.32	43	110357	21.293	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	361995	21.620	ug/l	99
20) Methylene Chloride	4.55	84	150865	20.566	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	140317	20.771	ug/l	91
22) Diisopropyl ether	5.95	45	466256	22.077	ug/l	94
23) Vinyl Acetate	5.90	43	1643676	108.185	ug/l	95
24) 1,1-Dichloroethane	5.85	63	272442	21.036	ug/l	98
25) 2-Butanone	6.83	43	300858	103.378	ug/l	94
26) 2,2-Dichloropropane	6.82	77	192162	20.884	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159966	21.292	ug/l	94
28) Bromochloromethane	7.19	49	126728	21.377	ug/l	82
29) Tetrahydrofuran	7.21	42	208076	107.364	ug/l	91
30) Chloroform	7.37	83	267959	21.337	ug/l	98
31) Cyclohexane	7.65	56	258334	21.563	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	218313	21.083	ug/l	97
36) 1,1-Dichloropropene	7.79	75	201636	20.364	ug/l	96
37) Ethyl Acetate	6.93	43	139602	19.745	ug/l	96
38) Carbon Tetrachloride	7.77	117	191383	18.584	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	227294	19.045	ug/l	96
40) Benzene	8.04	78	617097	20.287	ug/l	99
41) Methacrylonitrile	7.18	41	76586	16.823	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	187663	19.927	ug/l	98
43) Isopropyl Acetate	8.16	43	227659	19.071	ug/l #	89
44) Trichloroethene	8.83	130	162249	20.120	ug/l	97
45) 1,2-Dichloropropane	9.12	63	166845	20.330	ug/l	98
46) Dibromomethane	9.21	93	95018	19.943	ug/l	94
47) Bromodichloromethane	9.40	83	198043	19.724	ug/l	100
48) Methyl methacrylate	9.20	41	110554	20.134	ug/l	93
49) 1,4-Dioxane	9.20	88	30416	408.984	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	624792	101.853	ug/l	95
52) Toluene	10.16	92	365932	20.430	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	193649	19.822	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	231943	20.139	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	135277	20.223	ug/l	98
56) Ethyl methacrylate	10.43	69	159808	19.463	ug/l	91
57) 1,3-Dichloropropane	10.71	76	229832	20.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	353661	95.509	ug/l	96
59) 2-Hexanone	10.75	43	393959	98.747	ug/l	93
60) Dibromochloromethane	10.90	129	142895	19.222	ug/l	100
61) 1,2-Dibromoethane	11.00	107	124732	19.330	ug/l	99
64) Tetrachloroethene	10.63	164	153673	19.814	ug/l	97
65) Chlorobenzene	11.43	112	384951	19.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	140644	20.189	ug/l	99
67) Ethyl Benzene	11.51	91	652614	20.139	ug/l	100
68) m/p-Xylenes	11.62	106	498006	40.719	ug/l	96
69) o-Xylene	11.95	106	236355	19.668	ug/l	94
70) Styrene	11.96	104	379831	20.549	ug/l	98
71) Bromoform	12.13	173	95137	19.630	ug/l #	99
73) Isopropylbenzene	12.25	105	639603	20.227	ug/l	99
74) N-amyl acetate	12.07	43	165457	19.964	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	157556	19.925	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	119762m	18.378	ug/l	
77) Bromobenzene	12.53	156	161408	20.104	ug/l	92
78) n-propylbenzene	12.59	91	725806	20.182	ug/l	98
79) 2-Chlorotoluene	12.67	91	436349	20.198	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	532460	20.568	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38659	18.750	ug/l	91
82) 4-Chlorotoluene	12.77	91	429653	20.123	ug/l	97
83) tert-Butylbenzene	12.99	119	469580	20.509	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	535265	20.711	ug/l	99
85) sec-Butylbenzene	13.17	105	635118	20.309	ug/l	98
86) p-Isopropyltoluene	13.29	119	536129	20.280	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	275748	19.854	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	269425	19.995	ug/l	98
89) n-Butylbenzene	13.62	91	447760	20.097	ug/l	98
90) Hexachloroethane	13.87	117	97826	19.096	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	271532	20.197	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22914	20.505	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126939	18.468	ug/l	99
94) Hexachlorobutadiene	15.01	225	96322	19.834	ug/l	98
95) Naphthalene	15.13	128	257809	18.211	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128176	18.897	ug/l	99

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

