

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060547.D
 Acq On : 17 Mar 2020 11:39
 Operator : JC/MD
 Sample : VN0317WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:34:53 PM

Quant Time: Mar 18 07:00:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138871	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	129170	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
35) Dibromofluoromethane	7.56	113	98142	64.11	ug/l	0.00
Spiked Amount			Recovery	=	128.22%	
50) Toluene-d8	10.08	98	370905	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.40	95	139921	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	25890	13.999	ug/l	99
3) Chloromethane	2.04	50	48412	15.035	ug/l	99
4) Vinyl Chloride	2.16	62	40152	14.540	ug/l	99
5) Bromomethane	2.54	94	18806	15.248	ug/l	98
6) Chloroethane	2.68	64	24420	16.321	ug/l	98
7) Trichlorofluoromethane	3.00	101	56417	15.990	ug/l	100
8) Diethyl Ether	3.38	74	24891	18.685	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	34620	17.338	ug/l	100
10) Methyl Iodide	3.93	142	25641	14.070	ug/l	98
11) Tert butyl alcohol	4.72	59	38900	101.223	ug/l	100
12) 1,1-Dichloroethene	3.71	96	33391	17.179	ug/l	100
13) Acrolein	3.58	56	30769	85.823	ug/l	100
14) Allyl chloride	4.29	41	62937	17.613	ug/l	98
15) Acrylonitrile	4.94	53	106804	105.440	ug/l	98
16) Acetone	3.78	43	91798	109.836	ug/l	97
17) Carbon Disulfide	4.03	76	78304	14.729	ug/l	100
18) Methyl Acetate	4.29	43	58236	20.880	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	135422	19.246	ug/l	97
20) Methylene Chloride	4.52	84	40463	17.629	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	35844	16.933	ug/l	98
22) Diisopropyl ether	5.91	45	147588	20.391	ug/l	98
23) Vinyl Acetate	5.86	43	575844	100.122	ug/l	98
24) 1,1-Dichloroethane	5.81	63	77143	18.829	ug/l	100
25) 2-Butanone	6.80	43	142870	105.832	ug/l	98
26) 2,2-Dichloropropane	6.80	77	67333	18.052	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	45973	17.273	ug/l	98
28) Bromochloromethane	7.17	49	33338	19.818	ug/l	93
29) Tetrahydrofuran	7.18	42	95197	101.409	ug/l	97
30) Chloroform	7.34	83	76112	18.661	ug/l	99
31) Cyclohexane	7.63	56	64589	17.605	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	63426	17.552	ug/l	100
36) 1,1-Dichloropropene	7.77	75	53574	17.045	ug/l	98
37) Ethyl Acetate	6.89	43	60347	20.277	ug/l	99
38) Carbon Tetrachloride	7.75	117	49006	16.014	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	59111	15.951	ug/l	96
40) Benzene	8.02	78	164335	17.964	ug/l	100
41) Methacrylonitrile	7.14	41	24703m	17.976	ug/l	
42) 1,2-Dichloroethane	8.10	62	61256	18.556	ug/l	99
43) Isopropyl Acetate	8.14	43	105417	20.233	ug/l	99
44) Trichloroethene	8.81	130	42709	16.763	ug/l	97
45) 1,2-Dichloropropane	9.10	63	47808	19.988	ug/l	100
46) Dibromomethane	9.19	93	28599	18.427	ug/l	97
47) Bromodichloromethane	9.38	83	59868	18.967	ug/l	99
48) Methyl methacrylate	9.18	41	44904	18.899	ug/l	96
49) 1,4-Dioxane	9.18	88	12627	377.917	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	303861	102.860	ug/l	100
52) Toluene	10.14	92	100404	17.472	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	70324	18.182	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	73965	18.455	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	42528	18.403	ug/l	98
56) Ethyl methacrylate	10.42	69	63005	18.977	ug/l	96
57) 1,3-Dichloropropane	10.70	76	72425	19.217	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	161162	92.814	ug/l	98
59) 2-Hexanone	10.74	43	213851	98.595	ug/l	99
60) Dibromochloromethane	10.89	129	43694	18.592	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40822	18.121	ug/l	100
64) Tetrachloroethene	10.62	164	41581	16.704	ug/l	99
65) Chlorobenzene	11.43	112	106229	17.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40722	18.224	ug/l	98
67) Ethyl Benzene	11.50	91	192159	17.460	ug/l	100
68) m/p-Xylenes	11.61	106	142950	34.427	ug/l	100
69) o-Xylene	11.94	106	70246	17.741	ug/l	99
70) Styrene	11.96	104	112621	17.300	ug/l	100
71) Bromoform	12.12	173	30422	18.891	ug/l #	97
73) Isopropylbenzene	12.24	105	187652	18.231	ug/l	100
74) N-amyl acetate	12.06	43	85243	18.952	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59188	21.155	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54270m	17.812	ug/l	
77) Bromobenzene	12.52	156	45471	18.022	ug/l	95
78) n-propylbenzene	12.59	91	218109	18.077	ug/l	99
79) 2-Chlorotoluene	12.67	91	130087	18.342	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	156861	18.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21297	19.295	ug/l #	86
82) 4-Chlorotoluene	12.77	91	132938	17.791	ug/l	98
83) tert-Butylbenzene	12.99	119	132358	17.640	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	155900	17.823	ug/l	100
85) sec-Butylbenzene	13.17	105	179471	17.862	ug/l	99
86) p-Isopropyltoluene	13.28	119	160166	17.223	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	79434	18.201	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	79972	18.333	ug/l	98
89) n-Butylbenzene	13.61	91	144291	16.902	ug/l	99
90) Hexachloroethane	13.87	117	22581	16.775	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77885	17.617	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11739	18.528	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	47898	17.109	ug/l	99
94) Hexachlorobutadiene	15.01	225	24354	18.499	ug/l	98
95) Naphthalene	15.13	128	137543	16.440	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45816	17.198	ug/l	99

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

