

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012820\
 Data File : VN059891.D
 Acq On : 28 Jan 2020 12:36
 Operator : JC/MD
 Sample : VN0128WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 11:04:14 AM

Quant Time: Jan 28 12:58:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	311406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	278883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130186	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	114675	51.38	ug/l	0.00
Spiked Amount						
			Recovery	=	102.76%	
35) Dibromofluoromethane	7.56	113	95577	51.47	ug/l	0.00
Spiked Amount						
			Recovery	=	102.94%	
50) Toluene-d8	10.08	98	361088	50.18	ug/l	0.00
Spiked Amount						
			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	126546	48.79	ug/l	0.00
Spiked Amount						
			Recovery	=	97.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	44065	18.266	ug/l	98
3) Chloromethane	2.04	50	41584	18.073	ug/l	98
4) Vinyl Chloride	2.17	62	52239	19.844	ug/l	97
5) Bromomethane	2.54	94	33274	20.711	ug/l	99
6) Chloroethane	2.68	64	25126	20.174	ug/l	98
7) Trichlorofluoromethane	3.00	101	64151	20.291	ug/l	97
8) Diethyl Ether	3.38	74	24042	21.669	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38448	21.850	ug/l	93
10) Methyl Iodide	3.93	142	57747	20.303	ug/l	93
11) Tert butyl alcohol	4.73	59	38874	103.467	ug/l	99
12) 1,1-Dichloroethene	3.72	96	36105	19.637	ug/l	88
13) Acrolein	3.58	56	19085	71.759	ug/l	94
14) Allyl chloride	4.29	41	47995	19.366	ug/l #	83
15) Acrylonitrile	4.94	53	92279	107.673	ug/l	99
16) Acetone	3.78	43	89926	112.636	ug/l	97
17) Carbon Disulfide	4.03	76	92265	17.615	ug/l	100
18) Methyl Acetate	4.28	43	55393	21.249	ug/l #	89
19) Methyl tert-butyl Ether	5.00	73	131244	21.893	ug/l	97
20) Methylene Chloride	4.52	84	43375	20.724	ug/l	86
21) trans-1,2-Dichloroethene	5.01	96	38871	19.888	ug/l	90
22) Diisopropyl ether	5.91	45	118051	21.019	ug/l #	95
23) Vinyl Acetate	5.86	43	451954	103.937	ug/l #	93
24) 1,1-Dichloroethane	5.81	63	70681	20.597	ug/l	97
25) 2-Butanone	6.80	43	122275	96.747	ug/l	92
26) 2,2-Dichloropropane	6.79	77	67514	20.464	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	47238	21.014	ug/l	88
28) Bromochloromethane	7.16	49	28171	20.539	ug/l #	70
29) Tetrahydrofuran	7.18	42	77378	98.952	ug/l #	85
30) Chloroform	7.35	83	77021	21.662	ug/l	99
31) Cyclohexane	7.63	56	61212	18.537	ug/l #	83
32) 1,1,1-Trichloroethane	7.55	97	68804	20.929	ug/l	95
36) 1,1-Dichloropropene	7.77	75	54468	20.085	ug/l	96
37) Ethyl Acetate	6.90	43	50711	19.938	ug/l	97
38) Carbon Tetrachloride	7.75	117	61985	21.012	ug/l	97

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39) Methylcyclohexane	9.06	83	64793	19.377	ug/l	91
40) Benzene	8.02	78	164872	20.386	ug/l	99
41) Methacrylonitrile	7.15	41	20786m	16.592	ug/l	
42) 1,2-Dichloroethane	8.10	62	59857	21.828	ug/l	96
43) Isopropyl Acetate	8.14	43	86432	19.757	ug/l #	93
44) Trichloroethene	8.82	130	48524	21.978	ug/l	93
45) 1,2-Dichloropropane	9.10	63	42458	21.215	ug/l	99
46) Dibromomethane	9.19	93	30889	21.880	ug/l	91
47) Bromodichloromethane	9.38	83	61853	21.742	ug/l	99
48) Methyl methacrylate	9.18	41	38021	19.430	ug/l	88
49) 1,4-Dioxane	9.18	88	15646	436.756	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	256223	101.315	ug/l	94
52) Toluene	10.14	92	107316	21.007	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68360	21.520	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72360	21.650	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	44897	22.190	ug/l	96
56) Ethyl methacrylate	10.42	69	62459	20.203	ug/l	90
57) 1,3-Dichloropropane	10.70	76	70149	21.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	102233	109.787	ug/l	90
59) 2-Hexanone	10.74	43	183373	98.423	ug/l	93
60) Dibromochloromethane	10.89	129	50663	21.989	ug/l	99
61) 1,2-Dibromoethane	10.99	107	46210	21.791	ug/l	98
64) Tetrachloroethene	10.62	164	51224	22.537	ug/l	94
65) Chlorobenzene	11.43	112	118222	21.567	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	46998	22.189	ug/l	97
67) Ethyl Benzene	11.50	91	208220	20.925	ug/l	98
68) m/p-Xylenes	11.62	106	156571	41.654	ug/l	95
69) o-Xylene	11.94	106	77108	20.954	ug/l	95
70) Styrene	11.96	104	123972	20.133	ug/l	96
71) Bromoform	12.12	173	37876	22.325	ug/l #	99
73) Isopropylbenzene	12.25	105	208858	21.875	ug/l	100
74) N-amyl acetate	12.07	43	71443	19.284	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	60388	21.817	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55297m	25.239	ug/l	
77) Bromobenzene	12.52	156	52188	21.584	ug/l	83
78) n-propylbenzene	12.59	91	227111	21.193	ug/l	96
79) 2-Chlorotoluene	12.67	91	136257	21.373	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	174620	21.747	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21075	20.658	ug/l	95
82) 4-Chlorotoluene	12.77	91	137383	21.485	ug/l	96
83) tert-Butylbenzene	12.99	119	149672	21.552	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	174616	21.981	ug/l	100
85) sec-Butylbenzene	13.17	105	192757	21.126	ug/l	98
86) p-Isopropyltoluene	13.28	119	180428	21.371	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	91035	21.675	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	91318	21.795	ug/l	98
89) n-Butylbenzene	13.61	91	149296	20.740	ug/l	98
90) Hexachloroethane	13.87	117	33367	21.124	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	90771	21.861	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12596	19.947	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51876	20.793	ug/l	98
94) Hexachlorobutadiene	15.01	225	29679	21.587	ug/l	98
95) Naphthalene	15.13	128	139757	19.694	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50737	20.892	ug/l	99

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

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