

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061151.D
 Acq On : 27 Apr 2020 16:26
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 8:14:34 PM

Quant Time: Apr 28 02:03:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	106032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	188069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	174127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80691	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	8496	5.84	ug/l	0.00
Spiked Amount			Recovery	=	11.68%	
35) Dibromofluoromethane	7.55	113	5647	5.24	ug/l	0.00
Spiked Amount			Recovery	=	10.48%	
50) Toluene-d8	10.06	98	21960	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
62) 4-Bromofluorobenzene	12.37	95	8083	4.71	ug/l	0.00
Spiked Amount			Recovery	=	9.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	4951	4.908	ug/l	100
3) Chloromethane	2.03	50	6481	5.270	ug/l	99
4) Vinyl Chloride	2.16	62	7493	5.068	ug/l	96
5) Bromomethane	2.53	94	3833	5.331	ug/l	93
6) Chloroethane	2.67	64	4836	5.993	ug/l	89
7) Trichlorofluoromethane	2.98	101	9418	5.916	ug/l	95
8) Diethyl Ether	3.37	74	3757	5.159	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	5837	5.562	ug/l	96
10) Methyl Iodide	3.91	142	6711	4.513	ug/l	95
11) Tert butyl alcohol	4.72	59	5532	29.596	ug/l #	72
12) 1,1-Dichloroethene	3.69	96	5779	5.393	ug/l	98
13) Acrolein	3.57	56	3603	25.891	ug/l	97
14) Allyl chloride	4.28	41	11417	6.579	ug/l	99
15) Acrylonitrile	4.93	53	17269	29.713	ug/l #	90
16) Acetone	3.78	43	22058	31.554	ug/l	97
17) Carbon Disulfide	4.01	76	14498	4.586	ug/l	97
18) Methyl Acetate	4.28	43	12627	6.671	ug/l #	90
19) Methyl tert-butyl Ether	4.99	73	20678	5.407	ug/l	97
20) Methylene Chloride	4.50	84	6485	5.212	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	5825	4.562	ug/l	97
22) Diisopropyl ether	5.90	45	23281	5.781	ug/l	98
23) Vinyl Acetate	5.84	43	90766	28.093	ug/l	99
24) 1,1-Dichloroethane	5.79	63	12900	5.870	ug/l	98
25) 2-Butanone	6.79	43	24409	30.472	ug/l	98
26) 2,2-Dichloropropane	6.78	77	11129	5.740	ug/l #	76
27) cis-1,2-Dichloroethene	6.78	96	7393	5.204	ug/l	97
28) Bromochloromethane	7.15	49	6319	6.630	ug/l #	96
29) Tetrahydrofuran	7.16	42	16171	29.343	ug/l	99
30) Chloroform	7.33	83	12946	5.828	ug/l	87
31) Cyclohexane	7.62	56	13584	6.160	ug/l #	80
32) 1,1,1-Trichloroethane	7.53	97	11102	5.606	ug/l	97
36) 1,1-Dichloropropene	7.75	75	9760	5.292	ug/l	96
37) Ethyl Acetate	6.88	43	11195	5.909	ug/l #	94
38) Carbon Tetrachloride	7.73	117	6826	4.261	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	10010	4.503	ug/l	98
40) Benzene	8.00	78	27529	5.050	ug/l	99
41) Methacrylonitrile	7.14	41	4898m	5.643	ug/l	
42) 1,2-Dichloroethane	8.09	62	10834	5.498	ug/l	96
43) Isopropyl Acetate	8.12	43	17731	5.527	ug/l #	92
44) Trichloroethene	8.80	130	7685	4.903	ug/l	94
45) 1,2-Dichloropropane	9.08	63	7529	5.195	ug/l	99
46) Dibromomethane	9.18	93	4605	4.986	ug/l	98
47) Bromodichloromethane	9.37	83	9914	5.398	ug/l	98
48) Methyl methacrylate	9.17	41	7896	5.251	ug/l	96
49) 1,4-Dioxane	9.16	88	1919	87.222	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	51628	27.474	ug/l	99
52) Toluene	10.12	92	15903	4.668	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	10489	4.706	ug/l	92
54) cis-1,3-Dichloropropene	9.81	75	11413	4.936	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	6869	5.229	ug/l	96
56) Ethyl methacrylate	10.40	69	8921	4.434	ug/l	95
57) 1,3-Dichloropropane	10.68	76	12080	5.359	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	24684	23.785	ug/l	98
59) 2-Hexanone	10.72	43	36124	26.051	ug/l	100
60) Dibromochloromethane	10.87	129	6830	4.974	ug/l	97
61) 1,2-Dibromoethane	10.98	107	6588	4.876	ug/l	97
64) Tetrachloroethene	10.60	164	8201	4.724	ug/l	96
65) Chlorobenzene	11.41	112	17943	5.109	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	6105	4.902	ug/l	98
67) Ethyl Benzene	11.48	91	31636	4.818	ug/l	98
68) m/p-Xylenes	11.60	106	22859	9.350	ug/l	100
69) o-Xylene	11.92	106	11102	4.706	ug/l	95
70) Styrene	11.94	104	16971	4.426	ug/l	98
71) Bromoform	12.10	173	4164	4.458	ug/l #	98
73) Isopropylbenzene	12.22	105	28754	4.741	ug/l	98
74) N-amyl acetate	12.04	43	13894	4.996	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	9865	5.930	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	8259m	4.523	ug/l	
77) Bromobenzene	12.50	156	7175	4.903	ug/l	95
78) n-propylbenzene	12.56	91	33864	4.749	ug/l	99
79) 2-Chlorotoluene	12.65	91	20659	4.986	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	23616	4.626	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	3079	4.420	ug/l	98
82) 4-Chlorotoluene	12.75	91	21164	4.807	ug/l	98
83) tert-Butylbenzene	12.97	119	19631	4.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	24319	4.768	ug/l	96
85) sec-Butylbenzene	13.15	105	27262	4.690	ug/l	100
86) p-Isopropyltoluene	13.26	119	24194	4.591	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	12822	4.907	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	13020	4.919	ug/l	90
89) n-Butylbenzene	13.59	91	22264	4.628	ug/l	99
90) Hexachloroethane	13.85	117	1308	3.075	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	12118	4.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1970	5.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	6971	4.316	ug/l	96
94) Hexachlorobutadiene	14.98	225	3270	4.674	ug/l	93
95) Naphthalene	15.10	128	21926	4.363	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	6942	4.464	ug/l	99

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

