

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
 Data File : VN063148.D
 Acq On : 31 Aug 2020 13:21
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:06 AM

Quant Time: Sep 01 03:08:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 02:43:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	397417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	766443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	679543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	289918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	34284	5.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.88%	
35) Dibromofluoromethane	7.55	113	25171	4.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.12%	
50) Toluene-d8	10.06	98	97603	4.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.62%	
62) 4-Bromofluorobenzene	12.38	95	31461	4.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21364	4.966	ug/l	94
3) Chloromethane	2.03	50	32608	5.873	ug/l	90
4) Vinyl Chloride	2.17	62	36159	6.037	ug/l	97
5) Bromomethane	2.53	94	28865	7.004	ug/l	88
6) Chloroethane	2.68	64	29092	7.047	ug/l	91
7) Trichlorofluoromethane	2.98	101	60788	7.306	ug/l	94
8) Diethyl Ether	3.37	74	15124	5.315	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.72	101	24412	4.965	ug/l #	87
10) Methyl Iodide	3.91	142	28090	4.300	ug/l #	93
11) Tert butyl alcohol	4.73	59	20007	40.784	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	23317	5.291	ug/l	89
13) Acrolein	3.57	56	8451	32.666	ug/l	98
14) Allyl chloride	4.27	41	42231	5.914	ug/l	96
15) Acrylonitrile	4.94	53	52140	28.624	ug/l	96
16) Acetone	3.78	43	47190	30.729	ug/l	97
17) Carbon Disulfide	4.01	76	69728	5.284	ug/l	100
18) Methyl Acetate	4.28	43	24353	4.444	ug/l #	56
19) Methyl tert-butyl Ether	4.99	73	85575	6.717	ug/l	98
20) Methylene Chloride	4.50	84	28092	5.105	ug/l	90
21) trans-1,2-Dichloroethene	4.99	96	26694	5.664	ug/l	95
22) Diisopropyl ether	5.90	45	90778	6.223	ug/l	92
23) Vinyl Acetate	5.84	43	372283	34.910	ug/l	99
24) 1,1-Dichloroethane	5.79	63	50425	5.475	ug/l	95
25) 2-Butanone	6.79	43	74618	33.520	ug/l	99
26) 2,2-Dichloropropane	6.77	77	46127	6.299	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	30988	5.943	ug/l	98
28) Bromochloromethane	7.15	49	26898	6.338	ug/l	97
29) Tetrahydrofuran	7.17	42	49222	34.739	ug/l	99
30) Chloroform	7.33	83	54923	5.802	ug/l	93
31) Cyclohexane	7.61	56	56718	6.589	ug/l #	89
32) 1,1,1-Trichloroethane	7.53	97	46922	5.701	ug/l	99
36) 1,1-Dichloropropene	7.75	75	38743	4.625	ug/l	100
37) Ethyl Acetate	6.88	43	30328	4.983	ug/l #	74
38) Carbon Tetrachloride	7.73	117	39395	4.385	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	42983	4.905	ug/l	97
40) Benzene	8.00	78	113183	4.429	ug/l	99
41) Methacrylonitrile	7.13	41	14688m	4.853	ug/l	
42) 1,2-Dichloroethane	8.08	62	40864	4.730	ug/l	98
43) Isopropyl Acetate	8.13	43	60566	5.685	ug/l #	89
44) Trichloroethene	8.80	130	26962	4.062	ug/l	94
45) 1,2-Dichloropropane	9.08	63	32122	4.671	ug/l	92
46) Dibromomethane	9.18	93	19043	4.410	ug/l	90
47) Bromodichloromethane	9.37	83	41035	4.575	ug/l	95
48) Methyl methacrylate	9.17	41	26794	5.093	ug/l	95
49) 1,4-Dioxane	9.17	88	8754	117.180	ug/l	91
51) 4-Methyl-2-Pentanone	9.95	43	169475	28.574	ug/l	97
52) Toluene	10.13	92	67773	4.457	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	43938	4.865	ug/l	93
54) cis-1,3-Dichloropropene	9.81	75	46927	4.777	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	25135	3.985	ug/l	97
56) Ethyl methacrylate	10.40	69	37464	4.971	ug/l	97
57) 1,3-Dichloropropane	10.68	76	46530	4.629	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	105462	30.185	ug/l	97
59) 2-Hexanone	10.72	43	115974	28.814	ug/l	99
60) Dibromochloromethane	10.87	129	27700	4.020	ug/l	95
61) 1,2-Dibromoethane	10.98	107	27774	4.672	ug/l	100
64) Tetrachloroethene	10.60	164	26838	4.511	ug/l	97
65) Chlorobenzene	11.41	112	70950	4.244	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	24385	3.759	ug/l	91
67) Ethyl Benzene	11.49	91	134717	4.917	ug/l	95
68) m/p-Xylenes	11.59	106	92093	8.969	ug/l	97
69) o-Xylene	11.93	106	45378	4.587	ug/l	96
70) Styrene	11.94	104	74057	4.599	ug/l	98
71) Bromoform	12.10	173	15811	3.470	ug/l #	97
73) Isopropylbenzene	12.22	105	122425	5.474	ug/l	97
74) N-amyl acetate	12.05	43	44635	6.143	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	33864	5.017	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	28159m	5.025	ug/l	
77) Bromobenzene	12.50	156	24971	4.156	ug/l	91
78) n-propylbenzene	12.57	91	139872	5.490	ug/l	100
79) 2-Chlorotoluene	12.65	91	81416	5.221	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	99043	5.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	11199	5.979	ug/l	95
82) 4-Chlorotoluene	12.75	91	82741	5.269	ug/l	98
83) tert-Butylbenzene	12.97	119	82991	5.296	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	98421	5.439	ug/l	100
85) sec-Butylbenzene	13.15	105	110089	5.305	ug/l	98
86) p-Isopropyltoluene	13.27	119	95027	5.339	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	48027	4.555	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	49365	4.637	ug/l	90
89) n-Butylbenzene	13.59	91	88883	5.935	ug/l	98
90) Hexachloroethane	13.85	117	17066	4.318	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	46638	4.495	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6795	6.107	ug/l #	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	26213	5.454	ug/l	98
94) Hexachlorobutadiene	14.99	225	9911	3.064	ug/l	92
95) Naphthalene	15.11	128	81192	6.933	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	24027	4.833	ug/l	99

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

