

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080520\
 Data File : VN062754.D
 Acq On : 5 Aug 2020 11:26
 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
 8/6/2020 1:51:41 PM

Quant Time: Aug 05 12:50:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 12:39:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	153508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	245963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	228009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	98932	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	14067	5.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.70%	
35) Dibromofluoromethane	7.55	113	9120	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	
50) Toluene-d8	10.06	98	34118	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	
62) 4-Bromofluorobenzene	12.38	95	11637	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	10266	5.318	ug/l	98
3) Chloromethane	2.04	50	10651	4.381	ug/l	94
4) Vinyl Chloride	2.16	62	9823	4.604	ug/l	99
5) Bromomethane	2.51	94	7521	7.421	ug/l	97
6) Chloroethane	2.65	64	6924	6.766	ug/l	97
7) Trichlorofluoromethane	2.98	101	18610	6.969	ug/l	98
8) Diethyl Ether	3.37	74	5663	4.932	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	9213	5.778	ug/l	99
10) Methyl Iodide	3.91	142	7423	3.698	ug/l #	94
11) Tert butyl alcohol	4.75	59	10843	27.772	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	8717	5.455	ug/l	90
13) Acrolein	3.57	56	7356	21.761	ug/l	98
14) Allyl chloride	4.27	41	15541	4.596	ug/l	96
15) Acrylonitrile	4.94	53	25071	24.877	ug/l	97
16) Acetone	3.78	43	24138	26.872	ug/l	100
17) Carbon Disulfide	4.01	76	26814	5.187	ug/l	96
18) Methyl Acetate	4.29	43	12700	5.580	ug/l #	72
19) Methyl tert-butyl Ether	4.99	73	30051	4.969	ug/l	95
20) Methylene Chloride	4.51	84	10470m	4.995	ug/l	
21) trans-1,2-Dichloroethene	4.98	96	9243m	5.220	ug/l	
22) Diisopropyl ether	5.90	45	29542	4.310	ug/l #	85
23) Vinyl Acetate	5.85	43	123885	22.586	ug/l	96
24) 1,1-Dichloroethane	5.80	63	19685	5.299	ug/l	99
25) 2-Butanone	6.79	43	33263	24.525	ug/l	99
26) 2,2-Dichloropropane	6.77	77	16978	5.461	ug/l #	69
27) cis-1,2-Dichloroethene	6.78	96	9995	4.918	ug/l	95
28) Bromochloromethane	7.15	49	8456	4.665	ug/l #	96
29) Tetrahydrofuran	7.17	42	21630	23.675	ug/l	98
30) Chloroform	7.33	83	20201	5.615	ug/l	95
31) Cyclohexane	7.62	56	18434	5.360	ug/l #	76
32) 1,1,1-Trichloroethane	7.53	97	18472	6.061	ug/l	98
36) 1,1-Dichloropropene	7.75	75	13303	5.158	ug/l	97
37) Ethyl Acetate	6.88	43	14002	5.079	ug/l #	85
38) Carbon Tetrachloride	7.73	117	15823	6.234	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	14322	5.074	ug/l	98
40) Benzene	8.00	78	40239	5.189	ug/l	99
41) Methacrylonitrile	7.13	41	5971	4.879	ug/l #	53
42) 1,2-Dichloroethane	8.09	62	17192	5.907	ug/l	95
43) Isopropyl Acetate	8.13	43	22558	5.069	ug/l	97
44) Trichloroethene	8.80	130	9906	5.607	ug/l	99
45) 1,2-Dichloropropane	9.08	63	10591	4.867	ug/l	100
46) Dibromomethane	9.17	93	7192	5.623	ug/l	100
47) Bromodichloromethane	9.37	83	15049	5.368	ug/l	94
48) Methyl methacrylate	9.17	41	10906	5.108	ug/l	94
49) 1,4-Dioxane	9.17	88	3881	113.604	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	69156	25.515	ug/l	98
52) Toluene	10.12	92	24256	5.330	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	16166	5.217	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	16550	5.048	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	9641	5.405	ug/l	96
56) Ethyl methacrylate	10.40	69	13906	4.887	ug/l	96
57) 1,3-Dichloropropane	10.68	76	17127	5.269	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	21063	26.259	ug/l	98
59) 2-Hexanone	10.72	43	49869	25.736	ug/l	98
60) Dibromochloromethane	10.88	129	11285	5.619	ug/l	97
61) 1,2-Dibromoethane	10.98	107	10009	5.405	ug/l	99
64) Tetrachloroethene	10.60	164	8631	5.833	ug/l	92
65) Chlorobenzene	11.41	112	26164	5.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	10713	5.880	ug/l	97
67) Ethyl Benzene	11.48	91	45353	5.190	ug/l	99
68) m/p-Xylenes	11.60	106	32025	10.171	ug/l	98
69) o-Xylene	11.92	106	15396	5.139	ug/l	97
70) Styrene	11.94	104	24651	4.852	ug/l	99
71) Bromoform	12.10	173	7876	5.690	ug/l #	95
73) Isopropylbenzene	12.23	105	41368	5.311	ug/l	99
74) N-amyl acetate	12.05	43	14691	4.319	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	14923	5.532	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	15495m	6.125	ug/l	
77) Bromobenzene	12.50	156	10381	5.535	ug/l	95
78) n-propylbenzene	12.57	91	47468	5.213	ug/l	98
79) 2-Chlorotoluene	12.65	91	30666	5.451	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	34785	5.359	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	4431	4.897	ug/l	92
82) 4-Chlorotoluene	12.75	91	30799	5.256	ug/l	99
83) tert-Butylbenzene	12.97	119	30012	5.559	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	32921	5.168	ug/l	99
85) sec-Butylbenzene	13.15	105	38599	5.343	ug/l	99
86) p-Isopropyltoluene	13.26	119	32816	5.251	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	17524	5.283	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	17344	5.332	ug/l	93
89) n-Butylbenzene	13.59	91	26751	5.001	ug/l	98
90) Hexachloroethane	13.85	117	8072	6.064	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	16391	5.200	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2999	5.901	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	5553	3.800	ug/l	94
94) Hexachlorobutadiene	14.99	225	5895	6.123	ug/l	98
95) Naphthalene	15.10	128	13072	3.243	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	5722	3.841	ug/l	99

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

