

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059585.D
 Acq On : 13 Dec 2019 16:00
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:48:47 PM

Quant Time: Dec 13 17:37:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	256687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	416468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	373344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	19691	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	
35) Dibromofluoromethane	7.56	113	13034	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
50) Toluene-d8	10.08	98	50502	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.40	95	17596	4.68	ug/l	0.00
Spiked Amount			Recovery	=	9.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	13551	4.440	ug/l	96
3) Chloromethane	2.04	50	20007	4.281	ug/l	98
4) Vinyl Chloride	2.17	62	19320	4.238	ug/l	98
5) Bromomethane	2.54	94	12180	4.371	ug/l	97
6) Chloroethane	2.67	64	11247	4.158	ug/l #	87
7) Trichlorofluoromethane	2.99	101	21207	3.907	ug/l	98
8) Diethyl Ether	3.39	74	6512	3.527	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	9971	3.559	ug/l	96
10) Methyl Iodide	3.92	142	12853	3.357	ug/l	97
11) Tert butyl alcohol	4.76	59	12169	19.543	ug/l	97
12) 1,1-Dichloroethene	3.71	96	9771	3.567	ug/l	98
13) Acrolein	3.58	56	8950	25.210	ug/l	99
14) Allyl chloride	4.29	41	19127	3.640	ug/l	96
15) Acrylonitrile	4.95	53	29741	18.538	ug/l	99
16) Acetone	3.79	43	36524	20.156	ug/l	99
17) Carbon Disulfide	4.02	76	33457	3.326	ug/l	100
18) Methyl Acetate	4.30	43	17139	3.799	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	34010	3.739	ug/l	98
20) Methylene Chloride	4.52	84	13026	3.753	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	11075	3.780	ug/l	97
22) Diisopropyl ether	5.92	45	36728	3.674	ug/l	91
23) Vinyl Acetate	5.86	43	144401	17.438	ug/l	100
24) 1,1-Dichloroethane	5.82	63	21872	3.849	ug/l	99
25) 2-Butanone	6.81	43	46323	19.708	ug/l	97
26) 2,2-Dichloropropane	6.80	77	20105	3.913	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	12717	3.853	ug/l	98
28) Bromochloromethane	7.17	49	6189	3.344	ug/l #	99
29) Tetrahydrofuran	7.18	42	28624	17.848	ug/l	100
30) Chloroform	7.35	83	21026	3.752	ug/l	99
31) Cyclohexane	7.63	56	24387	4.415	ug/l #	81
32) 1,1,1-Trichloroethane	7.55	97	19434	3.907	ug/l	98
36) 1,1-Dichloropropene	7.77	75	15881	3.660	ug/l	99
37) Ethyl Acetate	6.91	43	16725	3.699	ug/l	99
38) Carbon Tetrachloride	7.75	117	16001	3.731	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	17240	3.546	ug/l	96
40) Benzene	8.02	78	46838	3.771	ug/l	100
41) Methacrylonitrile	7.15	41	6554	3.095	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	18496	3.989	ug/l	99
43) Isopropyl Acetate	8.15	43	27283	3.629	ug/l #	90
44) Trichloroethene	8.82	130	12484	3.966	ug/l	98
45) 1,2-Dichloropropane	9.10	63	12244	3.723	ug/l	96
46) Dibromomethane	9.19	93	8115	3.724	ug/l	98
47) Bromodichloromethane	9.39	83	16110	3.727	ug/l	97
48) Methyl methacrylate	9.19	41	11462	3.473	ug/l	96
49) 1,4-Dioxane	9.19	88	3840	86.982	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	78993	18.072	ug/l	99
52) Toluene	10.15	92	27453	3.704	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	17966	3.562	ug/l #	87
54) cis-1,3-Dichloropropene	9.83	75	19389	3.751	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	11462	3.823	ug/l	94
56) Ethyl methacrylate	10.42	69	13887	3.134	ug/l	91
57) 1,3-Dichloropropane	10.70	76	19746	3.854	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	15609	11.123	ug/l	99
59) 2-Hexanone	10.74	43	60861	18.373	ug/l	100
60) Dibromochloromethane	10.90	129	11256	3.463	ug/l	99
61) 1,2-Dibromoethane	11.00	107	11194	3.591	ug/l	100
64) Tetrachloroethene	10.62	164	12180	4.204	ug/l	95
65) Chlorobenzene	11.43	112	30177	3.785	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	10913	3.664	ug/l	96
67) Ethyl Benzene	11.51	91	52502	3.665	ug/l	100
68) m/p-Xylenes	11.62	106	36942	6.962	ug/l	99
69) o-Xylene	11.95	106	18111	3.656	ug/l	100
70) Styrene	11.96	104	26662	3.250	ug/l	98
71) Bromoform	12.12	173	8152	3.531	ug/l #	100
73) Isopropylbenzene	12.25	105	46483	3.600	ug/l	100
74) N-amyl acetate	12.07	43	19937	3.524	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	15077	3.499	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	15946m	3.669	ug/l	
77) Bromobenzene	12.53	156	11480	3.625	ug/l	97
78) n-propylbenzene	12.59	91	54465	3.470	ug/l	100
79) 2-Chlorotoluene	12.67	91	33744	3.602	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	38209	3.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5474	3.327	ug/l	97
82) 4-Chlorotoluene	12.77	91	34059	3.569	ug/l	100
83) tert-Butylbenzene	12.99	119	32479	3.572	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	37873	3.515	ug/l	98
85) sec-Butylbenzene	13.17	105	43959	3.529	ug/l	99
86) p-Isopropyltoluene	13.29	119	37924	3.412	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	20435	3.521	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	20767	3.662	ug/l	92
89) n-Butylbenzene	13.62	91	35529	3.391	ug/l	99
90) Hexachloroethane	13.88	117	7712	3.754	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	20532	3.756	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4420	4.045	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11835	3.183	ug/l	98
94) Hexachlorobutadiene	15.01	225	7400	3.942	ug/l	98
95) Naphthalene	15.13	128	33317	3.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	12733	3.332	ug/l	93

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

