

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059593.D
 Acq On : 13 Dec 2019 18:56
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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apatel
 12/16/2019 12:49:18 PM

Quant Time: Dec 13 22:58:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 22:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	237439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	383656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	344953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150517	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	18434	5.41	ug/l	0.00
Spiked Amount			Recovery	=	10.82%	
35) Dibromofluoromethane	7.57	113	12906	5.54	ug/l	0.00
Spiked Amount			Recovery	=	11.08%	
50) Toluene-d8	10.08	98	48967	5.11	ug/l	0.00
Spiked Amount			Recovery	=	10.22%	
62) 4-Bromofluorobenzene	12.40	95	16633	4.80	ug/l	0.00
Spiked Amount			Recovery	=	9.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	14062	4.981	ug/l	93
3) Chloromethane	2.04	50	21361	4.942	ug/l	96
4) Vinyl Chloride	2.17	62	20144	4.777	ug/l	96
5) Bromomethane	2.53	94	11809m	4.582	ug/l	
6) Chloroethane	2.67	64	11123	4.446	ug/l	89
7) Trichlorofluoromethane	2.99	101	22074	4.396	ug/l	99
8) Diethyl Ether	3.38	74	6784	3.972	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	11081	4.276	ug/l	95
10) Methyl Iodide	3.92	142	12563	3.547	ug/l #	94
11) Tert butyl alcohol	4.75	59	12085	20.982	ug/l	100
12) 1,1-Dichloroethene	3.71	96	9842	3.885	ug/l	95
13) Acrolein	3.58	56	5431	16.538	ug/l	93
14) Allyl chloride	4.29	41	19633	4.040	ug/l	96
15) Acrylonitrile	4.96	53	30722	20.702	ug/l	99
16) Acetone	3.79	43	39083	23.317	ug/l	100
17) Carbon Disulfide	4.02	76	34134	3.669	ug/l	98
18) Methyl Acetate	4.30	43	17482	4.189	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	34932	4.152	ug/l	98
20) Methylene Chloride	4.52	84	12670	3.946	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	11539	4.258	ug/l	89
22) Diisopropyl ether	5.92	45	36969	3.998	ug/l #	84
23) Vinyl Acetate	5.86	43	140357	18.324	ug/l	100
24) 1,1-Dichloroethane	5.82	63	22138	4.211	ug/l	97
25) 2-Butanone	6.81	43	46056	21.183	ug/l	97
26) 2,2-Dichloropropane	6.80	77	19860	4.179	ug/l	79
27) cis-1,2-Dichloroethene	6.81	96	12567	4.117	ug/l	95
28) Bromochloromethane	7.17	49	5005	2.924	ug/l #	97
29) Tetrahydrofuran	7.19	42	28381	19.132	ug/l	99
30) Chloroform	7.35	83	22088	4.261	ug/l	98
31) Cyclohexane	7.64	56	23322	4.564	ug/l #	76
32) 1,1,1-Trichloroethane	7.55	97	18640	4.051	ug/l	99
36) 1,1-Dichloropropene	7.77	75	15794	3.951	ug/l	97
37) Ethyl Acetate	6.91	43	17416	4.181	ug/l	99
38) Carbon Tetrachloride	7.75	117	17250	4.367	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	18113	4.044	ug/l	94
40) Benzene	8.02	78	49048	4.286	ug/l	100
41) Methacrylonitrile	7.14	41	6435	3.353	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	18385	4.304	ug/l	96
43) Isopropyl Acetate	8.15	43	27653	3.993	ug/l #	90
44) Trichloroethene	8.82	130	12913	4.453	ug/l	100
45) 1,2-Dichloropropane	9.10	63	12383	4.088	ug/l	95
46) Dibromomethane	9.19	93	8292	4.131	ug/l	98
47) Bromodichloromethane	9.39	83	16331	4.101	ug/l	97
48) Methyl methacrylate	9.18	41	12325	4.054	ug/l	95
49) 1,4-Dioxane	9.19	88	3631	89.282	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	81574	20.259	ug/l	97
52) Toluene	10.15	92	28257	4.138	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	18170	3.911	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	19195	4.031	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	11484	4.158	ug/l	96
56) Ethyl methacrylate	10.42	69	13732	3.364	ug/l	93
57) 1,3-Dichloropropane	10.70	76	20064	4.251	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	15119	11.695	ug/l	99
59) 2-Hexanone	10.75	43	61387	20.117	ug/l	97
60) Dibromochloromethane	10.90	129	11924	3.982	ug/l	96
61) 1,2-Dibromoethane	11.00	107	11366	3.958	ug/l	99
64) Tetrachloroethene	10.62	164	13164	4.918	ug/l	94
65) Chlorobenzene	11.43	112	29849	4.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	11369	4.132	ug/l	96
67) Ethyl Benzene	11.51	91	52349	3.955	ug/l	100
68) m/p-Xylenes	11.62	106	37657	7.681	ug/l	97
69) o-Xylene	11.94	106	17318	3.783	ug/l	93
70) Styrene	11.96	104	26715	3.524	ug/l	97
71) Bromoform	12.12	173	8130	3.811	ug/l #	99
73) Isopropylbenzene	12.25	105	47486	4.036	ug/l	100
74) N-amyl acetate	12.07	43	19396	3.763	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	15504	3.948	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	17011m	4.295	ug/l	
77) Bromobenzene	12.52	156	11883	4.117	ug/l	98
78) n-propylbenzene	12.59	91	53772	3.759	ug/l	99
79) 2-Chlorotoluene	12.67	91	34062	3.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	39273	3.945	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5451	3.635	ug/l	95
82) 4-Chlorotoluene	12.77	91	34415	3.957	ug/l	99
83) tert-Butylbenzene	12.99	119	33028	3.985	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	38007	3.871	ug/l	99
85) sec-Butylbenzene	13.17	105	44088	3.883	ug/l	99
86) p-Isopropyltoluene	13.29	119	38822	3.833	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	21223	4.013	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	21620	4.184	ug/l	94
89) n-Butylbenzene	13.62	91	35807	3.750	ug/l	96
90) Hexachloroethane	13.88	117	8128	4.342	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	20790	4.173	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4272	4.291	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	11894	3.510	ug/l	99
94) Hexachlorobutadiene	15.01	225	7112	4.157	ug/l	98
95) Naphthalene	15.13	128	33267	3.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	12479	3.583	ug/l	98

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

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