

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059534.D
 Acq On : 9 Dec 2019 17:41
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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apatel
 12/10/2019 5:11:00 PM

Quant Time: Dec 09 18:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	250879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	487365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	372497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165663	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	19292	6.20	ug/l	0.00
Spiked Amount			Recovery	=	12.40%	
35) Dibromofluoromethane	7.57	113	13160	4.44	ug/l	0.00
Spiked Amount			Recovery	=	8.88%	
50) Toluene-d8	10.08	98	52601	4.53	ug/l	0.00
Spiked Amount			Recovery	=	9.06%	
62) 4-Bromofluorobenzene	12.40	95	17447	4.18	ug/l	0.00
Spiked Amount			Recovery	=	8.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	17362	6.289	ug/l	93
3) Chloromethane	2.04	50	24001	6.370	ug/l	95
4) Vinyl Chloride	2.17	62	23953	9.432	ug/l	98
5) Bromomethane	2.54	94	15351	9.823	ug/l	98
6) Chloroethane	2.68	64	13893	9.364	ug/l	99
7) Trichlorofluoromethane	3.00	101	28105	9.279	ug/l	98
8) Diethyl Ether	3.39	74	10883	6.337	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	17606	6.763	ug/l	96
10) Methyl Iodide	3.93	142	21877	6.697	ug/l	97
11) Tert butyl alcohol	4.75	59	14625	25.667	ug/l #	91
12) 1,1-Dichloroethene	3.72	96	17647	6.987	ug/l	91
13) Acrolein	3.58	56	10939	24.959	ug/l	100
14) Allyl chloride	4.29	41	26799	5.342	ug/l	98
15) Acrylonitrile	4.96	53	39999	25.909	ug/l	99
16) Acetone	3.79	43	49605	24.233	ug/l	89
17) Carbon Disulfide	4.03	76	61726	7.109	ug/l	98
18) Methyl Acetate	4.30	43	22863	5.570	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	44720	5.146	ug/l	95
20) Methylene Chloride	4.53	84	18935	5.888	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	14516	5.107	ug/l	91
22) Diisopropyl ether	5.92	45	49034	5.242	ug/l	91
23) Vinyl Acetate	5.87	43	205582	27.262	ug/l	99
24) 1,1-Dichloroethane	5.82	63	28924	5.452	ug/l	98
25) 2-Butanone	6.81	43	55416	23.946	ug/l	99
26) 2,2-Dichloropropane	6.80	77	25288	5.458	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	16821	5.318	ug/l	100
28) Bromochloromethane	7.17	49	5862	3.467	ug/l #	99
29) Tetrahydrofuran	7.19	42	42513	29.075	ug/l	99
30) Chloroform	7.35	83	28628	5.545	ug/l	100
31) Cyclohexane	7.63	56	30374	5.947	ug/l #	87
32) 1,1,1-Trichloroethane	7.55	97	25255	5.610	ug/l	98
36) 1,1-Dichloropropene	7.77	75	22092	4.448	ug/l	97
37) Ethyl Acetate	6.91	43	24563	4.426	ug/l #	86
38) Carbon Tetrachloride	7.75	117	22459	4.679	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	23459	3.956	ug/l	92
40) Benzene	8.02	78	63233	4.366	ug/l	96
41) Methacrylonitrile	7.15	41	9540m	4.168	ug/l	
42) 1,2-Dichloroethane	8.11	62	24207	4.813	ug/l	100
43) Isopropyl Acetate	8.15	43	37087	4.466	ug/l	98
44) Trichloroethene	8.82	130	16304	4.317	ug/l	99
45) 1,2-Dichloropropane	9.11	63	16919	4.365	ug/l	98
46) Dibromomethane	9.20	93	11316	4.664	ug/l	95
47) Bromodichloromethane	9.39	83	21844	4.475	ug/l	98
48) Methyl methacrylate	9.19	41	15185	4.060	ug/l	97
49) 1,4-Dioxane	9.19	88	4173	75.750	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	107145	21.781	ug/l	100
52) Toluene	10.15	92	36815	4.213	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	24087	4.207	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	25493	4.221	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	14965	4.338	ug/l	96
56) Ethyl methacrylate	10.42	69	18745	3.750	ug/l	96
57) 1,3-Dichloropropane	10.70	76	25531	4.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	36465	24.970	ug/l	99
59) 2-Hexanone	10.75	43	75698	20.447	ug/l	99
60) Dibromochloromethane	10.90	129	15307	4.129	ug/l	99
61) 1,2-Dibromoethane	11.00	107	15087	4.221	ug/l	99
64) Tetrachloroethene	10.63	164	14573	4.829	ug/l	96
65) Chlorobenzene	11.43	112	39563	4.990	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	14769	5.165	ug/l	98
67) Ethyl Benzene	11.51	91	71172	5.112	ug/l	99
68) m/p-Xylenes	11.62	106	50520	9.666	ug/l	98
69) o-Xylene	11.95	106	23399	4.701	ug/l	94
70) Styrene	11.96	104	35454	4.447	ug/l	95
71) Bromoform	12.13	173	10484	4.641	ug/l #	94
73) Isopropylbenzene	12.25	105	63462	5.026	ug/l	100
74) N-amyl acetate	12.07	43	25542	4.954	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	22134	5.400	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	23909m	5.907	ug/l	
77) Bromobenzene	12.53	156	15948	4.988	ug/l	90
78) n-propylbenzene	12.59	91	87730	5.910	ug/l	100
79) 2-Chlorotoluene	12.67	91	52846	5.897	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	52147	4.879	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	7579	5.082	ug/l #	85
82) 4-Chlorotoluene	12.77	91	47944	5.165	ug/l	98
83) tert-Butylbenzene	12.99	119	45313	4.889	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	52553	5.019	ug/l	98
85) sec-Butylbenzene	13.17	105	61416	4.986	ug/l	98
86) p-Isopropyltoluene	13.29	119	53941	4.870	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	28599	5.025	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	28430	4.948	ug/l	92
89) n-Butylbenzene	13.62	91	52035	5.229	ug/l	96
90) Hexachloroethane	13.88	117	10538	4.938	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	28776	5.283	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5913	5.977	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17549	5.122	ug/l	98
94) Hexachlorobutadiene	15.01	225	10214	4.789	ug/l	96
95) Naphthalene	15.13	128	49300	4.908	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	18240	4.977	ug/l	98

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

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