

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051960.D
 Acq On : 23 Oct 2018 13:07
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:09 AM

Quant Time: Oct 24 04:34:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1038988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1515421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1363058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	653867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	46940	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
35) Dibromofluoromethane	7.60	113	47904	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
50) Toluene-d8	10.09	98	168168	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.40	95	54074	4.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	36763	5.576	ug/l	97
3) Chloromethane	2.06	50	33244	5.600	ug/l	94
4) Vinyl Chloride	2.19	62	43128	5.420	ug/l	98
5) Bromomethane	2.57	94	38140	5.006	ug/l	94
6) Chloroethane	2.71	64	30771	5.209	ug/l	90
7) Trichlorofluoromethane	3.02	101	75989	5.359	ug/l	98
8) Diethyl Ether	3.42	74	22201	5.267	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	47383	5.579	ug/l	99
10) Methyl Iodide	3.96	142	56631	4.506	ug/l	98
11) Tert butyl alcohol	4.78	59	12144	25.214	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	40716	5.353	ug/l	91
13) Acrolein	3.62	56	4676	19.530	ug/l	96
14) Allyl chloride	4.33	41	36791	5.076	ug/l	95
15) Acrylonitrile	4.99	53	50396	25.623	ug/l	98
16) Acetone	3.82	43	37015	24.279	ug/l	100
17) Carbon Disulfide	4.06	76	87173	4.821	ug/l	98
18) Methyl Acetate	4.33	43	25208	4.900	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	104699	5.127	ug/l	95
20) Methylene Chloride	4.56	84	45670	5.106	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	44640	5.182	ug/l	94
22) Diisopropyl ether	5.95	45	92513	5.138	ug/l	97
23) Vinyl Acetate	5.90	43	311859	24.895	ug/l	95
24) 1,1-Dichloroethane	5.86	63	70297	5.229	ug/l	98
25) 2-Butanone	6.83	43	56946	26.201	ug/l	100
26) 2,2-Dichloropropane	6.83	77	62444	5.076	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	52721	5.262	ug/l	99
28) Bromochloromethane	7.20	49	27630	5.099	ug/l	100
29) Tetrahydrofuran	7.22	42	37374	25.380	ug/l	93
30) Chloroform	7.37	83	83558	5.090	ug/l	94
31) Cyclohexane	7.66	56	72854	5.030	ug/l #	88
32) 1,1,1-Trichloroethane	7.57	97	75165	5.007	ug/l	97
36) 1,1-Dichloropropene	7.80	75	61431	5.285	ug/l	99
37) Ethyl Acetate	6.94	43	28644m	5.618	ug/l	
38) Carbon Tetrachloride	7.77	117	66541	4.986	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	75484	5.316	ug/l	98
40) Benzene	8.04	78	180471	5.229	ug/l	98
41) Methacrylonitrile	7.17	41	12354	4.729	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	59241	5.353	ug/l	99
43) Isopropyl Acetate	8.16	43	48167	4.948	ug/l	97
44) Trichloroethene	8.84	130	57945	5.230	ug/l	93
45) 1,2-Dichloropropane	9.12	63	41365	5.298	ug/l	100
46) Dibromomethane	9.21	93	31871	5.064	ug/l	96
47) Bromodichloromethane	9.40	83	56503	4.754	ug/l	97
48) Methyl methacrylate	9.20	41	23463	4.986	ug/l	100
49) 1,4-Dioxane	9.20	88	8922	103.403	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	130942	24.452	ug/l	100
52) Toluene	10.16	92	118009	5.042	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	48508	4.454	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	57976	4.666	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	43850	5.071	ug/l	97
56) Ethyl methacrylate	10.43	69	44079	4.742	ug/l	98
57) 1,3-Dichloropropane	10.71	76	66924	5.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	116552	23.963	ug/l	98
59) 2-Hexanone	10.75	43	88536	24.607	ug/l	96
60) Dibromochloromethane	10.90	129	40166	4.145	ug/l	98
61) 1,2-Dibromoethane	11.01	107	43601	4.782	ug/l	99
64) Tetrachloroethene	10.63	164	54194	5.180	ug/l	97
65) Chlorobenzene	11.44	112	139609	5.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	46904	4.742	ug/l	100
67) Ethyl Benzene	11.51	91	223703	5.057	ug/l	100
68) m/p-Xylenes	11.62	106	177686	10.053	ug/l	99
69) o-Xylene	11.95	106	84161	4.896	ug/l	97
70) Styrene	11.96	104	131733	4.795	ug/l	98
71) Bromoform	12.12	173	23319	3.865	ug/l #	99
73) Isopropylbenzene	12.25	105	225308	5.433	ug/l	99
74) N-amyl acetate	12.07	43	41533	5.088	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	49259	5.749	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	36986m	5.554	ug/l	
77) Bromobenzene	12.53	156	61349	5.361	ug/l	97
78) n-propylbenzene	12.59	91	244706	5.470	ug/l	97
79) 2-Chlorotoluene	12.67	91	143676	5.515	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	178887	5.377	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	8227	4.519	ug/l	88
82) 4-Chlorotoluene	12.77	91	148553	5.508	ug/l	97
83) tert-Butylbenzene	12.99	119	171669	5.456	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	183390	5.344	ug/l	98
85) sec-Butylbenzene	13.17	105	224718	5.468	ug/l	98
86) p-Isopropyltoluene	13.29	119	194476	5.256	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	111209	5.269	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	108513	5.215	ug/l	92
89) n-Butylbenzene	13.62	91	159234	5.405	ug/l	96
90) Hexachloroethane	13.87	117	26428	4.794	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	105263	5.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6291	4.782	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58744	4.870	ug/l	100
94) Hexachlorobutadiene	15.01	225	32737	5.282	ug/l	95
95) Naphthalene	15.13	128	126821	4.841	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	56525	4.903	ug/l	99

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

