

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064212.D
 Acq On : 21 Oct 2020 10:58
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:27 PM

Quant Time: Oct 21 12:16:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:00:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	287100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	458231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	413924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191248	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	23204	5.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.14%	
35) Dibromofluoromethane	7.55	113	16180	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
50) Toluene-d8	10.06	98	57596	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.37	95	23204	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	12745	4.492	ug/l	90
3) Chloromethane	2.04	50	14806	4.320	ug/l	98
4) Vinyl Chloride	2.16	62	14992	3.645	ug/l #	87
5) Bromomethane	2.53	94	11118	3.730	ug/l	95
6) Chloroethane	2.67	64	10403	3.293	ug/l	97
7) Trichlorofluoromethane	2.98	101	26105	4.494	ug/l	86
8) Diethyl Ether	3.37	74	9258	5.079	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14749	5.161	ug/l	99
10) Methyl Iodide	3.91	142	17456	4.337	ug/l #	69
11) Tert butyl alcohol	4.72	59	14489	30.160	ug/l	94
12) 1,1-Dichloroethene	3.70	96	13818	4.819	ug/l	89
13) Acrolein	3.56	56	6995	19.197	ug/l	88
14) Allyl chloride	4.27	41	24829	5.305	ug/l	93
15) Acrylonitrile	4.93	53	27724	21.496	ug/l #	87
16) Acetone	3.77	43	29224	23.736	ug/l	100
17) Carbon Disulfide	4.01	76	37016	4.526	ug/l	98
18) Methyl Acetate	4.27	43	14343	4.651	ug/l #	72
19) Methyl tert-butyl Ether	4.98	73	49148m	5.719	ug/l	
20) Methylene Chloride	4.50	84	16510	4.439	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	14214m	4.414	ug/l	
22) Diisopropyl ether	5.90	45	49418	5.575	ug/l	93
23) Vinyl Acetate	5.84	43	224561	28.300	ug/l	98
24) 1,1-Dichloroethane	5.79	63	29822	4.911	ug/l	95
25) 2-Butanone	6.79	43	46899	24.826	ug/l	98
26) 2,2-Dichloropropane	6.77	77	30470	5.832	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	17053	4.515	ug/l	100
28) Bromochloromethane	7.15	49	14949	5.165	ug/l #	55
29) Tetrahydrofuran	7.16	42	28088	25.333	ug/l	99
30) Chloroform	7.32	83	32518	5.054	ug/l	99
31) Cyclohexane	7.61	56	30935	6.683	ug/l #	88
32) 1,1,1-Trichloroethane	7.53	97	29753	5.266	ug/l	98
36) 1,1-Dichloropropene	7.75	75	23626	5.304	ug/l	97
37) Ethyl Acetate	6.87	43	19472	4.898	ug/l	97
38) Carbon Tetrachloride	7.74	117	26975	5.541	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	21738	5.724	ug/l	98
40) Benzene	8.00	78	64265	4.840	ug/l	97
41) Methacrylonitrile	7.13	41	12763	7.347	ug/l #	81
42) 1,2-Dichloroethane	8.08	62	29337	6.036	ug/l	100
43) Isopropyl Acetate	8.12	43	41100	6.107	ug/l #	91
44) Trichloroethene	8.80	130	17276	4.923	ug/l	88
45) 1,2-Dichloropropane	9.08	63	17252	4.914	ug/l	96
46) Dibromomethane	9.17	93	11227	4.521	ug/l	91
47) Bromodichloromethane	9.37	83	26352	5.366	ug/l	99
48) Methyl methacrylate	9.16	41	19729	6.257	ug/l	95
49) 1,4-Dioxane	9.16	88	5022	108.565	ug/l #	89
51) 4-Methyl-2-Pentanone	9.95	43	103551	26.502	ug/l	99
52) Toluene	10.12	92	42040	5.142	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	28334	5.556	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	28779	5.176	ug/l	92
55) 1,1,2-Trichloroethane	10.53	97	15749	4.671	ug/l	97
56) Ethyl methacrylate	10.40	69	22715	5.188	ug/l	91
57) 1,3-Dichloropropane	10.68	76	27737	4.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	64385	29.344	ug/l	100
59) 2-Hexanone	10.72	43	74546	27.088	ug/l	99
60) Dibromochloromethane	10.87	129	19231	5.009	ug/l	97
61) 1,2-Dibromoethane	10.97	107	16165	4.710	ug/l	99
64) Tetrachloroethene	10.60	164	18520	5.868	ug/l	95
65) Chlorobenzene	11.41	112	44969	5.150	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.48	131	16794	5.030	ug/l	94
67) Ethyl Benzene	11.48	91	81802	5.532	ug/l	99
68) m/p-Xylenes	11.59	106	60858	11.133	ug/l	99
69) o-Xylene	11.92	106	27752	5.270	ug/l	87
70) Styrene	11.94	104	47882	5.458	ug/l	97
71) Bromoform	12.10	173	12377	4.955	ug/l #	97
73) Isopropylbenzene	12.22	105	77862	5.538	ug/l	98
74) N-amyl acetate	12.04	43	32729	6.028	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	19181	4.079	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	22940m	5.045	ug/l	
77) Bromobenzene	12.50	156	17897	4.782	ug/l	96
78) n-propylbenzene	12.57	91	86973	5.541	ug/l	99
79) 2-Chlorotoluene	12.65	91	53363	5.345	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	65158	5.755	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	8134	5.396	ug/l	99
82) 4-Chlorotoluene	12.75	91	56469	5.596	ug/l	99
83) tert-Butylbenzene	12.97	119	53728	5.739	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	63373	5.705	ug/l	99
85) sec-Butylbenzene	13.14	105	65831	5.482	ug/l	98
86) p-Isopropyltoluene	13.26	119	59797	5.686	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	31878	5.086	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	32017	4.984	ug/l	91
89) n-Butylbenzene	13.59	91	52499	5.868	ug/l	100
90) Hexachloroethane	13.85	117	11778	5.855	ug/l	89
91) 1,2-Dichlorobenzene	13.63	146	30979	4.979	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4798	5.084	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	15858	5.977	ug/l	94
94) Hexachlorobutadiene	14.98	225	9720	6.254	ug/l	99
95) Naphthalene	15.10	128	45599	5.763	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	16345	6.209	ug/l	96

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

