

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063739.D
 Acq On : 30 Sep 2020 10:25
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:39:50 PM

Quant Time: Sep 30 11:48:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 30 11:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	271057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	21629	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
35) Dibromofluoromethane	7.54	113	15038	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	10.06	98	56020	4.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.38	95	20177	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	15514	5.160	ug/l	100
3) Chloromethane	2.04	50	17126	4.368	ug/l #	87
4) Vinyl Chloride	2.16	62	17866	5.092	ug/l	97
5) Bromomethane	2.52	94	12378	5.868	ug/l	87
6) Chloroethane	2.67	64	10889	5.001	ug/l	95
7) Trichlorofluoromethane	2.98	101	26685	5.022	ug/l	97
8) Diethyl Ether	3.37	74	9383	4.623	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14660	4.943	ug/l #	78
10) Methyl Iodide	3.91	142	13875	3.649	ug/l	97
11) Tert butyl alcohol	4.73	59	11522	18.877	ug/l #	84
12) 1,1-Dichloroethene	3.69	96	14222	4.785	ug/l	85
13) Acrolein	3.56	56	6881	27.590	ug/l #	75
14) Allyl chloride	4.27	41	24903	4.269	ug/l	97
15) Acrylonitrile	4.93	53	33993	21.466	ug/l #	87
16) Acetone	3.77	43	33693	22.977	ug/l	98
17) Carbon Disulfide	4.01	76	39634	4.617	ug/l #	95
18) Methyl Acetate	4.28	43	16081	4.345	ug/l #	66
19) Methyl tert-butyl Ether	4.98	73	47837	4.295	ug/l #	89
20) Methylene Chloride	4.50	84	16667	4.533	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	15706	4.756	ug/l	91
22) Diisopropyl ether	5.90	45	50031	4.160	ug/l	89
23) Vinyl Acetate	5.84	43	202529	20.560	ug/l	99
24) 1,1-Dichloroethane	5.80	63	30504	4.644	ug/l #	91
25) 2-Butanone	6.78	43	45598	20.474	ug/l	98
26) 2,2-Dichloropropane	6.77	77	27370	4.693	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	17772	4.753	ug/l	95
28) Bromochloromethane	7.15	49	15170m	4.897	ug/l	
29) Tetrahydrofuran	7.16	42	29922	19.684	ug/l	98
30) Chloroform	7.33	83	31562	4.757	ug/l	94
31) Cyclohexane	7.61	56	31246	5.107	ug/l #	83
32) 1,1,1-Trichloroethane	7.53	97	27676	4.659	ug/l	99
36) 1,1-Dichloropropene	7.75	75	22879	4.915	ug/l	97
37) Ethyl Acetate	6.88	43	21061	4.629	ug/l #	95
38) Carbon Tetrachloride	7.73	117	24342	5.072	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	22424	4.477	ug/l	92
40) Benzene	8.00	78	65809	4.952	ug/l	98
41) Methacrylonitrile	7.12	41	8841m	4.242	ug/l	
42) 1,2-Dichloroethane	8.08	62	27577	5.112	ug/l	100
43) Isopropyl Acetate	8.12	43	33700	4.132	ug/l	98
44) Trichloroethene	8.80	130	16555	5.075	ug/l	99
45) 1,2-Dichloropropane	9.08	63	16730	4.629	ug/l	97
46) Dibromomethane	9.17	93	11464	4.800	ug/l	98
47) Bromodichloromethane	9.37	83	24210	4.855	ug/l	98
48) Methyl methacrylate	9.16	41	15572	3.901	ug/l	96
49) 1,4-Dioxane	9.16	88	4741	83.133	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	99767	21.677	ug/l	99
52) Toluene	10.12	92	38912	4.849	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	24690	4.461	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	26273	4.515	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	15869	4.952	ug/l	96
56) Ethyl methacrylate	10.40	69	20561	4.154	ug/l	95
57) 1,3-Dichloropropane	10.68	76	26561	4.624	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.66	63	57230	21.842	ug/l	98
59) 2-Hexanone	10.72	43	73204	21.945	ug/l	94
60) Dibromochloromethane	10.87	129	17513	4.832	ug/l	93
61) 1,2-Dibromoethane	10.98	107	15079	4.535	ug/l	90
64) Tetrachloroethene	10.60	164	16155	5.725	ug/l	95
65) Chlorobenzene	11.40	112	43402	5.042	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	15279	4.801	ug/l	95
67) Ethyl Benzene	11.48	91	75319	4.646	ug/l	96
68) m/p-Xylenes	11.59	106	54312	9.267	ug/l	99
69) o-Xylene	11.92	106	25907	4.654	ug/l	95
70) Styrene	11.94	104	39713	4.253	ug/l	98
71) Bromoform	12.10	173	10819	4.550	ug/l #	100
73) Isopropylbenzene	12.22	105	68166	4.630	ug/l	100
74) N-amyl acetate	12.05	43	24661	3.579	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	21684	4.757	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	20221m	4.449	ug/l	
77) Bromobenzene	12.50	156	17146	5.125	ug/l	97
78) n-propylbenzene	12.57	91	77567	4.533	ug/l	99
79) 2-Chlorotoluene	12.65	91	48461	4.712	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	55006	4.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	6005	3.643	ug/l #	80
82) 4-Chlorotoluene	12.75	91	48687	4.475	ug/l	97
83) tert-Butylbenzene	12.97	119	46472	4.590	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	55194	4.453	ug/l	98
85) sec-Butylbenzene	13.15	105	60250	4.456	ug/l	100
86) p-Isopropyltoluene	13.26	119	51472	4.313	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	29155	4.713	ug/l	95
88) 1,4-Dichlorobenzene	13.34	146	30578	4.886	ug/l	91
89) n-Butylbenzene	13.59	91	45297	4.136	ug/l	98
90) Hexachloroethane	13.85	117	10263	4.498	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	29411	4.868	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4485	4.173	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	13166	3.763	ug/l	96
94) Hexachlorobutadiene	14.98	225	9008	5.975	ug/l	99
95) Naphthalene	15.10	128	36841	3.217	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	12384	3.664	ug/l	98

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

