

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064701.D
 Acq On : 18 Nov 2020 12:13
 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
 11/19/2020 2:09:59 PM

Quant Time: Nov 18 13:57:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 13:40:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	283454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	503689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	458317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	28063	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.36%	
35) Dibromofluoromethane	7.54	113	16294	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	10.06	98	66503	5.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.06%	
62) 4-Bromofluorobenzene	12.37	95	23026	4.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.26%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	17574	4.870	ug/l	96
3) Chloromethane	2.04	50	18218	4.198	ug/l	94
4) Vinyl Chloride	2.17	62	20025	4.481	ug/l	99
5) Bromomethane	2.54	94	15192	5.229	ug/l	92
6) Chloroethane	2.68	64	14123	4.871	ug/l	90
7) Trichlorofluoromethane	2.99	101	37210	5.479	ug/l	99
8) Diethyl Ether	3.37	74	11212	4.735	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	16299	5.114	ug/l #	75
10) Methyl Iodide	3.91	142	15760	4.250	ug/l #	97
11) Tert butyl alcohol	4.75	59	11059m	21.124	ug/l	
12) 1,1-Dichloroethene	3.70	96	14471	4.826	ug/l	87
13) Acrolein	3.57	56	2592	8.774	ug/l	87
14) Allyl chloride	4.27	41	26505	4.601	ug/l	95
15) Acrylonitrile	4.92	53	31676	21.511	ug/l #	78
16) Acetone	3.77	43	26582	15.278	ug/l	98
17) Carbon Disulfide	4.01	76	45408	5.093	ug/l	98
18) Methyl Acetate	4.28	43	16654	4.559	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	43575	4.059	ug/l	99
20) Methylene Chloride	4.51	84	18174	4.918	ug/l	90
21) trans-1,2-Dichloroethene	4.99	96	15189	4.475	ug/l	95
22) Diisopropyl ether	5.90	45	48253	3.951	ug/l #	92
23) Vinyl Acetate	5.84	43	190640	19.273	ug/l	99
24) 1,1-Dichloroethane	5.79	63	32143	4.744	ug/l	97
25) 2-Butanone	6.78	43	41528	18.226	ug/l	97
26) 2,2-Dichloropropane	6.77	77	28692	4.629	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	17550	4.481	ug/l	90
28) Bromochloromethane	7.15	49	16409	4.792	ug/l	99
29) Tetrahydrofuran	7.17	42	25253	17.674	ug/l #	82
30) Chloroform	7.32	83	32360	4.520	ug/l	97
31) Cyclohexane	7.61	56	29537	5.097	ug/l #	80
32) 1,1,1-Trichloroethane	7.52	97	30061	4.713	ug/l	98
36) 1,1-Dichloropropene	7.75	75	23938	4.579	ug/l	99
37) Ethyl Acetate	6.88	43	19488	4.238	ug/l #	88
38) Carbon Tetrachloride	7.73	117	25682	4.563	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	20091	4.307	ug/l	96
40) Benzene	8.00	78	68798	4.486	ug/l	97
41) Methacrylonitrile	7.12	41	8707	3.744	ug/l	92
42) 1,2-Dichloroethane	8.08	62	29093	4.669	ug/l	99
43) Isopropyl Acetate	8.12	43	38844	4.600	ug/l	95
44) Trichloroethene	8.80	130	20030	5.118	ug/l	99
45) 1,2-Dichloropropane	9.08	63	17263	4.230	ug/l	95
46) Dibromomethane	9.17	93	13254	4.856	ug/l	95
47) Bromodichloromethane	9.37	83	26429	4.528	ug/l	97
48) Methyl methacrylate	9.16	41	16650	3.917	ug/l	97
49) 1,4-Dioxane	9.16	88	3917	70.965	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	94241	19.245	ug/l	98
52) Toluene	10.12	92	37785	4.034	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	27297	4.433	ug/l	92
54) cis-1,3-Dichloropropene	9.81	75	28213	4.307	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	16356	4.455	ug/l	98
56) Ethyl methacrylate	10.40	69	19151	3.618	ug/l	93
57) 1,3-Dichloropropane	10.68	76	28049	4.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	49421	18.525	ug/l	97
59) 2-Hexanone	10.72	43	65297	18.452	ug/l	99
60) Dibromochloromethane	10.87	129	18624	4.533	ug/l	96
61) 1,2-Dibromoethane	10.97	107	17211	4.615	ug/l	97
64) Tetrachloroethene	10.60	164	20780	5.794	ug/l	92
65) Chlorobenzene	11.40	112	44720	4.507	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	17716	4.803	ug/l	91
67) Ethyl Benzene	11.48	91	74683	4.261	ug/l	97
68) m/p-Xylenes	11.59	106	51386	8.059	ug/l	98
69) o-Xylene	11.92	106	25095	4.078	ug/l	98
70) Styrene	11.93	104	40069	3.863	ug/l	98
71) Bromoform	12.10	173	10410	4.190	ug/l #	99
73) Isopropylbenzene	12.22	105	63008	4.106	ug/l	97
74) N-amyl acetate	12.04	43	28757	4.292	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.47	83	18059	3.865	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	20781m	4.437	ug/l	
77) Bromobenzene	12.50	156	16409	4.349	ug/l	97
78) n-propylbenzene	12.56	91	75112	4.285	ug/l	94
79) 2-Chlorotoluene	12.65	91	47401	4.245	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	51041	4.015	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	5728	3.435	ug/l #	80
82) 4-Chlorotoluene	12.74	91	50125	4.290	ug/l	96
83) tert-Butylbenzene	12.96	119	39359	3.957	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	49781	3.903	ug/l	100
85) sec-Butylbenzene	13.14	105	53698	4.260	ug/l	100
86) p-Isopropyltoluene	13.26	119	47525	4.179	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	28721	4.390	ug/l	92
88) 1,4-Dichlorobenzene	13.33	146	30643	4.530	ug/l	93
89) n-Butylbenzene	13.59	91	44434	4.515	ug/l	99
90) Hexachloroethane	13.85	117	8508	3.964	ug/l	92
91) 1,2-Dichlorobenzene	13.62	146	29275	4.666	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4491	4.709	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	14497	5.513	ug/l	98
94) Hexachlorobutadiene	14.98	225	7869	6.063	ug/l	98
95) Naphthalene	15.10	128	42411	4.893	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	13826	5.268	ug/l	95

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

