

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064323.D
 Acq On : 27 Oct 2020 13:22
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102720

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:41 PM

Quant Time: Oct 28 04:33:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	267955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	428275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	389945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	193683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	186419	43.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.58%	
35) Dibromofluoromethane	7.55	113	130483	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
50) Toluene-d8	10.06	98	481472	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
62) 4-Bromofluorobenzene	12.37	95	181691	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	159995	51.944	ug/l	98
3) Chloromethane	2.04	50	163129	48.993	ug/l	98
4) Vinyl Chloride	2.16	62	164687	51.136	ug/l	99
5) Bromomethane	2.53	94	107521	51.667	ug/l	98
6) Chloroethane	2.67	64	97083	50.448	ug/l	99
7) Trichlorofluoromethane	2.98	101	287971	53.374	ug/l	98
8) Diethyl Ether	3.37	74	86999	50.973	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	144986	53.466	ug/l	96
10) Methyl Iodide	3.91	142	188210	52.011	ug/l	99
11) Tert butyl alcohol	4.72	59	145823	233.285	ug/l	98
12) 1,1-Dichloroethene	3.69	96	131546	51.385	ug/l	97
13) Acrolein	3.56	56	29103	217.055	ug/l	95
14) Allyl chloride	4.27	41	269293	51.517	ug/l	97
15) Acrylonitrile	4.92	53	345654	257.139	ug/l	99
16) Acetone	3.77	43	378638	258.163	ug/l	98
17) Carbon Disulfide	4.01	76	390785	51.594	ug/l	98
18) Methyl Acetate	4.27	43	154513	47.768	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	510054	51.856	ug/l	94
20) Methylene Chloride	4.50	84	153110	50.137	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	147025	51.483	ug/l	96
22) Diisopropyl ether	5.90	45	534476	52.311	ug/l	95
23) Vinyl Acetate	5.84	43	2317623	268.120	ug/l	99
24) 1,1-Dichloroethane	5.80	63	290485	50.809	ug/l	99
25) 2-Butanone	6.78	43	543305	251.291	ug/l	97
26) 2,2-Dichloropropane	6.77	77	289239	51.692	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	170143	52.059	ug/l	98
28) Bromochloromethane	7.15	49	135472	49.734	ug/l	96
29) Tetrahydrofuran	7.16	42	331843	236.425	ug/l	98
30) Chloroform	7.33	83	307361	50.366	ug/l	96
31) Cyclohexane	7.61	56	253841	50.793	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	290738	49.614	ug/l	98
36) 1,1-Dichloropropene	7.75	75	230982	53.440	ug/l	99
37) Ethyl Acetate	6.88	43	222212	50.897	ug/l	98
38) Carbon Tetrachloride	7.73	117	267593	53.401	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	237963	55.524	ug/l	96
40) Benzene	8.00	78	628075	52.204	ug/l	99
41) Methacrylonitrile	7.12	41	90074	41.561	ug/l #	84
42) 1,2-Dichloroethane	8.08	62	271051	52.154	ug/l	100
43) Isopropyl Acetate	8.12	43	386204	51.748	ug/l #	91
44) Trichloroethene	8.80	130	174546	55.381	ug/l	98
45) 1,2-Dichloropropane	9.08	63	165588	51.397	ug/l	99
46) Dibromomethane	9.17	93	119965	53.226	ug/l	100
47) Bromodichloromethane	9.37	83	251738	50.398	ug/l	100
48) Methyl methacrylate	9.16	41	192267	49.932	ug/l	98
49) 1,4-Dioxane	9.16	88	57129	1006.596	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	1098874	253.299	ug/l	99
52) Toluene	10.12	92	400924	52.809	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	285787	54.111	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	296603	54.556	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	154900	51.689	ug/l	98
56) Ethyl methacrylate	10.40	69	244005	53.788	ug/l	97
57) 1,3-Dichloropropane	10.68	76	271524	53.115	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	551137	222.637	ug/l	98
59) 2-Hexanone	10.72	43	825185	258.264	ug/l	99
60) Dibromochloromethane	10.87	129	193891	54.721	ug/l	99
61) 1,2-Dibromoethane	10.98	107	164806	53.972	ug/l	99
64) Tetrachloroethene	10.60	164	167096	52.137	ug/l	97
65) Chlorobenzene	11.41	112	435487	55.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	172880	54.105	ug/l	96
67) Ethyl Benzene	11.48	91	809023	55.045	ug/l	98
68) m/p-Xylenes	11.59	106	596885	109.586	ug/l	100
69) o-Xylene	11.92	106	285152	54.341	ug/l	99
70) Styrene	11.94	104	483851	56.238	ug/l	99
71) Bromoform	12.10	173	136200	54.310	ug/l #	96
73) Isopropylbenzene	12.22	105	773022	53.289	ug/l	100
74) N-amyl acetate	12.04	43	332014	51.998	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	206859	49.058	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	226240m	48.778	ug/l	
77) Bromobenzene	12.50	156	187063	52.662	ug/l	98
78) n-propylbenzene	12.56	91	883625	53.803	ug/l	100
79) 2-Chlorotoluene	12.65	91	546371	52.043	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	654306	53.306	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	82650	51.329	ug/l	98
82) 4-Chlorotoluene	12.75	91	580447	54.273	ug/l	100
83) tert-Butylbenzene	12.97	119	531127	52.732	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	665953	54.298	ug/l	99
85) sec-Butylbenzene	13.14	105	693024	53.170	ug/l	100
86) p-Isopropyltoluene	13.26	119	637400	54.282	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	330397	53.131	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	332642	52.520	ug/l	99
89) n-Butylbenzene	13.59	91	570790	55.178	ug/l	100
90) Hexachloroethane	13.85	117	119201	54.052	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	332396	53.765	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	53083	50.735	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	190287	53.410	ug/l	97
94) Hexachlorobutadiene	14.98	225	104479	55.069	ug/l	98
95) Naphthalene	15.10	128	535003	48.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	176743	51.534	ug/l	97

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

