

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064778.D
 Acq On : 23 Nov 2020 12:18
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:08 PM

Quant Time: Nov 23 13:23:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:11:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	186742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	290424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	39802	12.97	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	25.94%#
35) Dibromofluoromethane	7.55	113	32873	19.72	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	39.44%#
50) Toluene-d8	10.06	98	129612	17.46	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	34.92%#
62) 4-Bromofluorobenzene	12.38	95	44411	16.18	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	32.36%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29668	13.428	ug/l	97
3) Chloromethane	2.04	50	38433	15.396	ug/l	95
4) Vinyl Chloride	2.17	62	40103	15.458	ug/l	97
5) Bromomethane	2.54	94	27903	14.992	ug/l	100
6) Chloroethane	2.68	64	25017	14.476	ug/l	99
7) Trichlorofluoromethane	2.99	101	55740	12.359	ug/l	98
8) Diethyl Ether	3.37	74	22212	14.897	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	33210	16.350	ug/l	97
10) Methyl Iodide	3.91	142	42550	17.381	ug/l	99
11) Tert butyl alcohol	4.75	59	31076	96.671	ug/l	98
12) 1,1-Dichloroethene	3.69	96	33207	16.887	ug/l	96
13) Acrolein	3.56	56	17822	181.786	ug/l	93
14) Allyl chloride	4.28	41	53138	15.889	ug/l	99
15) Acrylonitrile	4.94	53	87782	94.115	ug/l	99
16) Acetone	3.78	43	65876	82.331	ug/l	98
17) Carbon Disulfide	4.01	76	88493	14.640	ug/l	100
18) Methyl Acetate	4.28	43	40431	16.540	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	108312	16.635	ug/l	100
20) Methylene Chloride	4.50	84	40651	17.099	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	36493	16.686	ug/l	97
22) Diisopropyl ether	5.91	45	113862	16.221	ug/l	96
23) Vinyl Acetate	5.85	43	455452	80.604	ug/l	99
24) 1,1-Dichloroethane	5.79	63	67011	16.208	ug/l	99
25) 2-Butanone	6.79	43	110478	89.187	ug/l	98
26) 2,2-Dichloropropane	6.78	77	57688	14.936	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	42224	17.474	ug/l	97
28) Bromochloromethane	7.15	49	31391	15.162	ug/l	99
29) Tetrahydrofuran	7.17	42	77522	92.909	ug/l	99
30) Chloroform	7.33	83	68411	15.389	ug/l	100
31) Cyclohexane	7.62	56	53937	15.694	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	58956	14.578	ug/l	100
36) 1,1-Dichloropropene	7.75	75	50489	17.228	ug/l	99
37) Ethyl Acetate	6.88	43	49845	20.042	ug/l	98
38) Carbon Tetrachloride	7.73	117	52832	17.107	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	51923	19.354	ug/l	97
40) Benzene	8.00	78	154368	18.704	ug/l	99
41) Methacrylonitrile	7.13	41	24983	22.153	ug/l #	87
42) 1,2-Dichloroethane	8.09	62	53085	15.495	ug/l	98
43) Isopropyl Acetate	8.13	43	80024	16.857	ug/l	98
44) Trichloroethene	8.80	130	44248	18.471	ug/l	93
45) 1,2-Dichloropropane	9.09	63	40208	18.350	ug/l	99
46) Dibromomethane	9.18	93	27039	17.606	ug/l	98
47) Bromodichloromethane	9.37	83	53830	16.746	ug/l	99
48) Methyl methacrylate	9.17	41	37580	16.835	ug/l	99
49) 1,4-Dioxane	9.17	88	14010	464.227	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	246336	95.322	ug/l	97
52) Toluene	10.13	92	96064	18.961	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	58608	17.007	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	63828	17.750	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	38797	19.099	ug/l	97
56) Ethyl methacrylate	10.40	69	52753	18.605	ug/l	96
57) 1,3-Dichloropropane	10.68	76	64380	18.308	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	145634	93.177	ug/l	99
59) 2-Hexanone	10.72	43	176638	94.658	ug/l	96
60) Dibromochloromethane	10.87	129	42916	18.215	ug/l	100
61) 1,2-Dibromoethane	10.98	107	40336	18.579	ug/l	99
64) Tetrachloroethene	10.60	164	47712	20.120	ug/l	98
65) Chlorobenzene	11.41	112	104459	18.666	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	39718	18.904	ug/l	99
67) Ethyl Benzene	11.48	91	174616	17.791	ug/l	100
68) m/p-Xylenes	11.59	106	135012	38.061	ug/l	100
69) o-Xylene	11.92	106	65286	18.959	ug/l	100
70) Styrene	11.94	104	109512	18.782	ug/l	99
71) Bromoform	12.10	173	30040	20.368	ug/l #	97
73) Isopropylbenzene	12.22	105	169481	18.724	ug/l	100
74) N-amyl acetate	12.04	43	68252	16.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	49668	19.533	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	49939m	18.171	ug/l	
77) Bromobenzene	12.50	156	45362	19.713	ug/l	98
78) n-propylbenzene	12.57	91	191085	18.192	ug/l	99
79) 2-Chlorotoluene	12.65	91	116111	17.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	144731	19.269	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	18535	18.642	ug/l #	86
82) 4-Chlorotoluene	12.75	91	123101	17.351	ug/l	99
83) tert-Butylbenzene	12.97	119	116667	19.888	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	148138	19.372	ug/l	98
85) sec-Butylbenzene	13.15	105	156400	19.958	ug/l	100
86) p-Isopropyltoluene	13.26	119	145671	20.171	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	79856	19.134	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	79087	18.413	ug/l	98
89) n-Butylbenzene	13.59	91	119338	17.918	ug/l	99
90) Hexachloroethane	13.85	117	24141	20.051	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	77991	19.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	11133	17.004	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	45257	19.761	ug/l	100
94) Hexachlorobutadiene	14.98	225	21669	18.699	ug/l	98
95) Naphthalene	15.10	128	136162	18.778	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	43468	19.735	ug/l	98

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

