

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064213.D
 Acq On : 21 Oct 2020 11:21
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:23 PM

Quant Time: Oct 21 12:18:19 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	7.63	168	268860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	444470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	398615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.31	152	189861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	71091	18.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.46%	
35) Dibromofluoromethane	7.55	113	50654	16.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.98%	
50) Toluene-d8	10.06	98	176785	15.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.60%	
62) 4-Bromofluorobenzene	12.38	95	70524	17.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62335	23.463	ug/l	93
3) Chloromethane	2.04	50	60597	18.879	ug/l	100
4) Vinyl Chloride	2.16	62	60356	15.669	ug/l	96
5) Bromomethane	2.54	94	38464	13.782	ug/l	99
6) Chloroethane	2.67	64	35709	12.070	ug/l	99
7) Trichlorofluoromethane	2.99	101	99737	18.336	ug/l	99
8) Diethyl Ether	3.38	74	32230	18.883	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51247	19.148	ug/l	98
10) Methyl Iodide	3.91	142	68100	18.068	ug/l	99
11) Tert butyl alcohol	4.72	59	48886	108.664	ug/l #	92
12) 1,1-Dichloroethene	3.70	96	48449	18.044	ug/l	98
13) Acrolein	3.57	56	38461	112.713	ug/l	98
14) Allyl chloride	4.28	41	93571	21.350	ug/l	99
15) Acrylonitrile	4.93	53	104469	86.498	ug/l	98
16) Acetone	3.78	43	105819	91.780	ug/l	100
17) Carbon Disulfide	4.01	76	137984	18.015	ug/l	97
18) Methyl Acetate	4.28	43	53673	18.584	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	165468	20.559	ug/l	93
20) Methylene Chloride	4.51	84	57171	16.414	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	52718	17.484	ug/l	95
22) Diisopropyl ether	5.90	45	171129	20.615	ug/l	94
23) Vinyl Acetate	5.84	43	794123	106.866	ug/l	99
24) 1,1-Dichloroethane	5.80	63	105243	18.507	ug/l	98
25) 2-Butanone	6.78	43	168733	95.379	ug/l	99
26) 2,2-Dichloropropane	6.78	77	103594	21.174	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	60604	17.136	ug/l	99
28) Bromochloromethane	7.15	49	49017	18.085	ug/l	98
29) Tetrahydrofuran	7.17	42	101022	97.295	ug/l	98
30) Chloroform	7.33	83	108360	17.984	ug/l	97
31) Cyclohexane	7.61	56	86356	19.923	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	103517	19.566	ug/l	99
36) 1,1-Dichloropropene	7.76	75	79661	18.437	ug/l	98
37) Ethyl Acetate	6.88	43	77096	19.993	ug/l	99
38) Carbon Tetrachloride	7.73	117	95319	20.185	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	73453	19.941	ug/l	95
40) Benzene	8.00	78	221469	17.194	ug/l	97
41) Methacrylonitrile	7.12	41	33440	19.846	ug/l	93
42) 1,2-Dichloroethane	8.09	62	96681	20.507	ug/l	100
43) Isopropyl Acetate	8.13	43	139233	21.329	ug/l #	91
44) Trichloroethene	8.80	130	61011	17.924	ug/l	98
45) 1,2-Dichloropropane	9.09	63	59778	17.555	ug/l	99
46) Dibromomethane	9.18	93	40653	16.876	ug/l	98
47) Bromodichloromethane	9.37	83	89764	18.845	ug/l	98
48) Methyl methacrylate	9.17	41	69910	22.860	ug/l	99
49) 1,4-Dioxane	9.16	88	16770	373.756	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	369796	97.573	ug/l	99
52) Toluene	10.12	92	141021	17.784	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	99475	20.110	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	103992	19.281	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	53604	16.392	ug/l	97
56) Ethyl methacrylate	10.40	69	84789	19.965	ug/l	99
57) 1,3-Dichloropropane	10.68	76	96456	17.771	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	225869	106.129	ug/l	100
59) 2-Hexanone	10.72	43	266927	99.997	ug/l	100
60) Dibromochloromethane	10.87	129	66993	17.988	ug/l	97
61) 1,2-Dibromoethane	10.97	107	58502	17.575	ug/l	96
64) Tetrachloroethene	10.60	164	59494	19.576	ug/l	92
65) Chlorobenzene	11.41	112	152353	18.116	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	60867	18.931	ug/l	98
67) Ethyl Benzene	11.48	91	282904	19.865	ug/l	97
68) m/p-Xylenes	11.59	106	208756	39.656	ug/l	97
69) o-Xylene	11.92	106	101597	20.033	ug/l	99
70) Styrene	11.94	104	168060	19.894	ug/l	98
71) Bromoform	12.10	173	47756	19.852	ug/l #	97
73) Isopropylbenzene	12.22	105	267756	19.184	ug/l	100
74) N-amyl acetate	12.04	43	118611	22.004	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	71753	15.370	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	76954m	17.047	ug/l	
77) Bromobenzene	12.50	156	64057	17.241	ug/l	99
78) n-propylbenzene	12.57	91	301629	19.356	ug/l	100
79) 2-Chlorotoluene	12.65	91	186270	18.794	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	224265	19.954	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	27633	18.464	ug/l	95
82) 4-Chlorotoluene	12.75	91	194359	19.400	ug/l	99
83) tert-Butylbenzene	12.97	119	186485	20.066	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	230719	20.923	ug/l	99
85) sec-Butylbenzene	13.14	105	231045	19.381	ug/l	100
86) p-Isopropyltoluene	13.26	119	216858	20.772	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	109328	17.569	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	108046	16.941	ug/l	97
89) n-Butylbenzene	13.59	91	188996	21.278	ug/l	100
90) Hexachloroethane	13.85	117	37114	18.584	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	107890	17.469	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17844	19.045	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	60807	23.086	ug/l	96
94) Hexachlorobutadiene	14.98	225	32098	20.805	ug/l	98
95) Naphthalene	15.10	128	190131	24.205	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	59585	22.802	ug/l	99

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

