

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061152.D
 Acq On : 27 Apr 2020 16:49
 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
 4/28/2020 8:14:37 PM

Quant Time: Apr 28 02:04:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	103318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	182447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	29768	21.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.02%	
35) Dibromofluoromethane	7.55	113	19619	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	
50) Toluene-d8	10.06	98	77115	17.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.72%	
62) 4-Bromofluorobenzene	12.38	95	28090	16.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21776	22.156	ug/l	100
3) Chloromethane	2.03	50	25521	21.298	ug/l	97
4) Vinyl Chloride	2.16	62	29375	20.390	ug/l	98
5) Bromomethane	2.54	94	14737	21.035	ug/l	97
6) Chloroethane	2.67	64	19012	24.180	ug/l	97
7) Trichlorofluoromethane	2.98	101	35240	22.718	ug/l	99
8) Diethyl Ether	3.37	74	13996	19.724	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	21261	20.792	ug/l	99
10) Methyl Iodide	3.91	142	26409	18.228	ug/l	99
11) Tert butyl alcohol	4.72	59	20821	114.317	ug/l	100
12) 1,1-Dichloroethene	3.70	96	20714	19.839	ug/l	96
13) Acrolein	3.56	56	14385	106.085	ug/l	92
14) Allyl chloride	4.27	41	39464	23.337	ug/l	93
15) Acrylonitrile	4.93	53	64144	113.264	ug/l	99
16) Acetone	3.77	43	64272	94.356	ug/l	99
17) Carbon Disulfide	4.01	76	59502	19.316	ug/l	99
18) Methyl Acetate	4.27	43	38414	20.828	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	78723	21.126	ug/l	97
20) Methylene Chloride	4.50	84	24426	20.146	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	22754	18.290	ug/l	96
22) Diisopropyl ether	5.90	45	88691	22.602	ug/l	99
23) Vinyl Acetate	5.84	43	357523	113.565	ug/l	99
24) 1,1-Dichloroethane	5.80	63	47069	21.980	ug/l	99
25) 2-Butanone	6.78	43	91931	117.782	ug/l	98
26) 2,2-Dichloropropane	6.77	77	37985	20.107	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	26411	19.079	ug/l	100
28) Bromochloromethane	7.15	49	23169	24.946	ug/l	99
29) Tetrahydrofuran	7.17	42	63048	117.408	ug/l	100
30) Chloroform	7.33	83	48433	22.375	ug/l	97
31) Cyclohexane	7.61	56	43641	20.310	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	40798	21.141	ug/l	98
36) 1,1-Dichloropropene	7.75	75	34942	19.530	ug/l	99
37) Ethyl Acetate	6.88	43	40699	22.144	ug/l	100
38) Carbon Tetrachloride	7.73	117	28150	18.115	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	38060	17.649	ug/l	98
40) Benzene	8.00	78	103259	19.524	ug/l	100
41) Methacrylonitrile	7.12	41	15334	18.212	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	40465	21.167	ug/l	98
43) Isopropyl Acetate	8.13	43	66324	21.310	ug/l	99
44) Trichloroethene	8.80	130	27772	18.265	ug/l	98
45) 1,2-Dichloropropane	9.08	63	28182	20.044	ug/l	98
46) Dibromomethane	9.17	93	18083	20.183	ug/l	98
47) Bromodichloromethane	9.37	83	36643	20.565	ug/l	100
48) Methyl methacrylate	9.17	41	29106	19.953	ug/l	97
49) 1,4-Dioxane	9.17	88	6311	295.686	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	198041	108.635	ug/l	100
52) Toluene	10.12	92	62898	19.031	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	40156	18.573	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	42478	18.938	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	24890	19.533	ug/l	98
56) Ethyl methacrylate	10.40	69	36754	18.833	ug/l	97
57) 1,3-Dichloropropane	10.68	76	43887	20.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	98490	97.826	ug/l	100
59) 2-Hexanone	10.72	43	145712	108.320	ug/l	99
60) Dibromochloromethane	10.87	129	25060	18.814	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25690	19.600	ug/l	97
64) Tetrachloroethene	10.60	164	28723	17.020	ug/l	100
65) Chlorobenzene	11.41	112	63152	18.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	23182	19.146	ug/l	99
67) Ethyl Benzene	11.48	91	119096	18.657	ug/l	99
68) m/p-Xylenes	11.60	106	87237	36.702	ug/l	98
69) o-Xylene	11.92	106	41644	18.157	ug/l	100
70) Styrene	11.94	104	70441	18.897	ug/l	99
71) Bromoform	12.10	173	16711	18.404	ug/l #	99
73) Isopropylbenzene	12.22	105	114440	18.913	ug/l	100
74) N-amyl acetate	12.04	43	56542	20.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	36196	21.809	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	31836m	17.474	ug/l	
77) Bromobenzene	12.50	156	26108	17.884	ug/l	99
78) n-propylbenzene	12.56	91	134410	18.892	ug/l	99
79) 2-Chlorotoluene	12.65	91	79377	19.201	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	94225	18.499	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	12210	17.567	ug/l	99
82) 4-Chlorotoluene	12.75	91	82063	18.682	ug/l	99
83) tert-Butylbenzene	12.97	119	79858	18.692	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	96663	18.995	ug/l	100
85) sec-Butylbenzene	13.15	105	107910	18.606	ug/l	99
86) p-Isopropyltoluene	13.26	119	96665	18.385	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	48002	18.413	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	47919	18.144	ug/l	99
89) n-Butylbenzene	13.59	91	86843	18.094	ug/l	99
90) Hexachloroethane	13.85	117	7413	17.470	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	47454	19.530	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7923	21.954	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	27867	17.295	ug/l	98
94) Hexachlorobutadiene	14.98	225	11828	16.946	ug/l	99
95) Naphthalene	15.10	128	91161	18.181	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	28151	18.145	ug/l	98

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

