

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061127.D
 Acq On : 22 Apr 2020 13:59
 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
 4/24/2020 1:34:56 PM

Quant Time: Apr 22 15:00:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 14:48:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	203428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	333100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	304071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	148449	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.77	65	52007	19.73	ug/l	0.00
Spiked Amount			Recovery	=	39.46%	
35) Dibromofluoromethane	7.31	113	36859	18.95	ug/l	0.00
Spiked Amount			Recovery	=	37.90%	
50) Toluene-d8	9.88	98	152597	20.19	ug/l	0.00
Spiked Amount			Recovery	=	40.38%	
62) 4-Bromofluorobenzene	12.21	95	56934	19.43	ug/l	0.00
Spiked Amount			Recovery	=	38.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.72	85	38759	16.833	ug/l	100
3) Chloromethane	1.91	50	44163	13.035	ug/l	99
4) Vinyl Chloride	2.03	62	54903	18.476	ug/l	99
5) Bromomethane	2.39	94	25993	17.518	ug/l	98
6) Chloroethane	2.52	64	28715	17.069	ug/l	98
7) Trichlorofluoromethane	2.82	101	56203	15.662	ug/l	100
8) Diethyl Ether	3.18	74	26159	17.929	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.51	101	39316	18.092	ug/l	99
10) Methyl Iodide	3.68	142	53996	25.277	ug/l	100
11) Tert butyl alcohol	4.44	59	31507	70.866	ug/l #	87
12) 1,1-Dichloroethene	3.49	96	38588	17.602	ug/l	97
13) Acrolein	3.36	56	22576	61.030	ug/l	100
14) Allyl chloride	4.03	41	57934	14.499	ug/l	98
15) Acrylonitrile	4.64	53	105420	86.028	ug/l	99
16) Acetone	3.55	43	95981	86.790	ug/l	99
17) Carbon Disulfide	3.78	76	115045	16.788	ug/l	100
18) Methyl Acetate	4.02	43	59583	16.967	ug/l	99
19) Methyl tert-butyl Ether	4.69	73	137231	17.871	ug/l	99
20) Methylene Chloride	4.24	84	43567	17.618	ug/l	98
21) trans-1,2-Dichloroethene	4.70	96	44183	18.628	ug/l	99
22) Diisopropyl ether	5.61	45	141100	16.501	ug/l	100
23) Vinyl Acetate	5.55	43	574761	85.270	ug/l	100
24) 1,1-Dichloroethane	5.51	63	79284	17.070	ug/l	99
25) 2-Butanone	6.51	43	140408	81.981	ug/l	100
26) 2,2-Dichloropropane	6.50	77	69567	17.858	ug/l	99
27) cis-1,2-Dichloroethene	6.51	96	50277	18.517	ug/l	97
28) Bromochloromethane	6.89	49	33515	15.967	ug/l	97
29) Tetrahydrofuran	6.91	42	96934	83.134	ug/l	100
30) Chloroform	7.08	83	79172	18.059	ug/l	100
31) Cyclohexane	7.37	56	79512	16.796	ug/l	99
32) 1,1,1-Trichloroethane	7.29	97	71005	18.669	ug/l	98
36) 1,1-Dichloropropene	7.52	75	61756	18.103	ug/l	99
37) Ethyl Acetate	6.61	43	62357	16.970	ug/l	99
38) Carbon Tetrachloride	7.50	117	53262	18.681	ug/l	99

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39) Methylcyclohexane	8.85	83	75330	18.424	ug/l	99
40) Benzene	7.78	78	181339	17.919	ug/l	100
41) Methacrylonitrile	6.87	41	29422m	18.893	ug/l	
42) 1,2-Dichloroethane	7.87	62	65578	18.929	ug/l	100
43) Isopropyl Acetate	7.92	43	103736	17.323	ug/l	100
44) Trichloroethene	8.61	130	53393	20.482	ug/l	98
45) 1,2-Dichloropropane	8.89	63	47706	17.518	ug/l	100
46) Dibromomethane	8.98	93	30453	19.074	ug/l	98
47) Bromodichloromethane	9.18	83	60489	18.088	ug/l	100
48) Methyl methacrylate	8.98	41	46791	17.554	ug/l	98
49) 1,4-Dioxane	8.98	88	10618	328.218	ug/l	98
51) 4-Methyl-2-Pentanone	9.78	43	309539	89.390	ug/l	100
52) Toluene	9.95	92	112278	18.389	ug/l	99
53) t-1,3-Dichloropropene	10.18	75	72384	18.609	ug/l	99
54) cis-1,3-Dichloropropene	9.63	75	77260	18.273	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	43905	18.962	ug/l	98
56) Ethyl methacrylate	10.24	69	65386	18.061	ug/l	98
57) 1,3-Dichloropropane	10.51	76	74674	18.200	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	170766	99.373	ug/l	99
59) 2-Hexanone	10.56	43	226894	90.609	ug/l	100
60) Dibromochloromethane	10.70	129	45383	18.997	ug/l	99
61) 1,2-Dibromoethane	10.81	107	45014	18.969	ug/l	100
64) Tetrachloroethene	10.43	164	60020	24.441	ug/l	99
65) Chlorobenzene	11.24	112	117240	18.659	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.32	131	41205	18.300	ug/l	97
67) Ethyl Benzene	11.32	91	218830	18.555	ug/l	99
68) m/p-Xylenes	11.43	106	163198	38.055	ug/l	99
69) o-Xylene	11.76	106	77287	18.742	ug/l	97
70) Styrene	11.77	104	126128	19.004	ug/l	99
71) Bromoform	11.93	173	30690	18.274	ug/l #	98
73) Isopropylbenzene	12.06	105	211434	17.847	ug/l	99
74) N-amyl acetate	11.89	43	93474	17.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.32	83	56486	15.953	ug/l	99
76) 1,2,3-Trichloropropane	12.36	75	63598m	19.167	ug/l	
77) Bromobenzene	12.33	156	50773	18.208	ug/l	98
78) n-propylbenzene	12.40	91	246282	17.826	ug/l	100
79) 2-Chlorotoluene	12.48	91	142842	17.632	ug/l	99
80) 1,3,5-Trimethylbenzene	12.55	105	176753	18.061	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.11	75	23352	17.582	ug/l	97
82) 4-Chlorotoluene	12.58	91	151316	17.998	ug/l	99
83) tert-Butylbenzene	12.81	119	147602	17.873	ug/l	98
84) 1,2,4-Trimethylbenzene	12.85	105	177383	18.324	ug/l	100
85) sec-Butylbenzene	12.99	105	200628	17.994	ug/l	100
86) p-Isopropyltoluene	13.10	119	183781	18.460	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	90600	18.317	ug/l	100
88) 1,4-Dichlorobenzene	13.17	146	91041	18.254	ug/l	99
89) n-Butylbenzene	13.43	91	165270	17.922	ug/l	99
90) Hexachloroethane	13.68	117	13303	9.318	ug/l	98
91) 1,2-Dichlorobenzene	13.46	146	86333	18.325	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	11864	17.130	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	56732	20.169	ug/l	98
94) Hexachlorobutadiene	14.82	225	24402	17.227	ug/l	98
95) Naphthalene	14.93	128	175249	21.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	54428	20.067	ug/l	99

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

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